Wednesday, 30 November 2022 11:42:42

Welcome SUDHAKARA REDDY YELAHANKA DIVISION

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Project Management Reservation Allocation

Track Record

| Process Name | Task Details | Assigned To | Created On | Started On | Completed On | Decision | Comments | Approval Document | Uploaded Documents | Status |
|---|---|---|---|---|---|---|---|---|---|---|
| Financial Bid Evaluation | Approve Financial Evaluation for Tender BBMP/2022-23/OW/WORK_INDENT52173 | bbmp_com-TUSHAR GIRI NATH KASHI NATH | 08/09/2022 16:51:32 | 14/09/2022 11:18:27 | 21/09/2022 13:02:52 | Approve | approved | Approved Document | | Completed |
| Financial Bid Evaluation | Review Commercial Evaluation for tender BBMP/2022-23/OW/WORK_INDENT52173 | bbmp_adc_admn-RANGAPPA S, ADC ADMIN | 02/09/2022 17:12:17 | 08/09/2022 16:49:08 | 08/09/2022 16:51:31 | Approve | For kind approval | Approved Document | | Completed |
| Financial Bid Evaluation | Review Commercial Evaluation for tender BBMP/2022-23/OW/WORK_INDENT52173 | bbmp_ce_yel-S P RANGANATH(I/C) CE YELAHANKA | 29/08/2022 16:46:28 | 02/09/2022 17:10:04 | 02/09/2022 17:12:17 | Approve | The tender has been approved vide Go No. UDD 392 MNY 2022 (E) Dt: 17-08-2022 of Sri. B B Umesha L1 bidder has for the amount of Rs.17,76,61,718.00 which is (+) 1.52% above on 2021-22 SR. Hence Submitted for kind approval in e-portal | Approved Document | | Completed |
| Financial Bid Evaluation | Financial Evaluation for Tender BBMP/2022-23/OW/WORK_INDENT52173 | bbmp_ee1_yel-SUDHAKARA REDDY YELAHANKA DIVISION | 26/07/2022 20:04:29 | 27/07/2022 11:32:17 | 29/08/2022 16:46:26 | Approve | In this tender Two Bidders are participated, L1 Sri. B B Umesha ( ) Quoted Rs. 183728139.84 (+4.99%) above after Negotiation Rs.183569096.39 (+4.90%) above AND L2 Bidder Sri. K VENKATA RAJU ( ) Quoted Rs. 194255146.21 (+11.01%) above. Hence for the work under Amruth Nagarothana Grant Empowered Committee had meeting on 06-08-2022 and tender has been approved for L1 bidder for the amount of Rs.177661718.05 which is (+1.52%) above on 2021-22 SR and (+)4.99% above on Isuue Rates Dt: 07-07-2022 Vide Go No. NAE 381 MNY 2022 (E) Dt: 17-08-2022. Hence submitted for kind approval through e-portal. (Approval copies attached for your kind reference) | Approved Document | | Completed |
| Financial Bid Evaluation | Start Commercial Bid Evaluation | bbmp_ee1_yel-SUDHAKARA REDDY YELAHANKA DIVISION | 26/07/2022 20:04:29 | 26/07/2022 20:04:29 | 26/07/2022 20:04:29 | Submit | | Approved Document | | Completed |
| Bid Evaluation | Financial Bids Opening for BBMP/2022-23/OW/WORK_INDENT52173 | bbmp_ee1_yel-SUDHAKARA REDDY YELAHANKA DIVISION | 26/07/2022 15:16:33 | 26/07/2022 20:03:55 | 26/07/2022 20:04:28 | Completed | | | | Completed |
| Technical Bid Evaluation | Approval For Technical Evaluation for Tender BBMP/2022-23/OW/WORK_INDENT52173 | bbmp_ce_yel-S P RANGANATH(I/C) CE YELAHANKA | 26/07/2022 14:38:12 | 26/07/2022 15:16:01 | 26/07/2022 15:16:31 | Approve | The technical bid Committee headed by hon'ble Commissioner dat: 26-07-2022 cleared the technical bid. Hence technical bid is cleared in e-portal. | Approved Document | | Completed |

Mejar UnatiKrishn Road

Divisional Office

MangalaVidya Mandira

To Doddabalapura

To Yalahank Nes

Ganesha Theatar

D M A R D L A N D E

Yalahank New Town Clcb

Udupi Hotel

JnanaJyothi College&School

Seshadripuram PU College

SURVEY MAP

| SYMBOL | DESCRIPTION |
|---|---|
| | ROAD |
| | DRAIN |
| | BENCH MARK |
| | ELECTRICAL POLL,LAIT POLL,MAN HOL |
| | TREES,COCANET |

PROJECT TITLE

TOPOGRPHICAL SURVEY REPORT AT

Seshadripuram PU College Yalahank New Town Clcb, Bengaluru, Karnataka 560064.

CLIENT

MR;OOOO

| | | |
|---|---|---|
| DRAWN: SRINI | CHECKED: SRINI | SURVEYED: SRINI |
| CONTOUR | SCALE: | |
| DATE: 18-07-2020 | JOB NO: | |

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜೆ.ಜೆ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೬೫

RUDRAPRASAD CONSULTANTS
BANGALORE

RUDRAPRASAD CONSULTANTS
STRUCTURAL ENGINEERS, ARCHITECTS
& PROJECT MANAGEMENT CONSULTANTS
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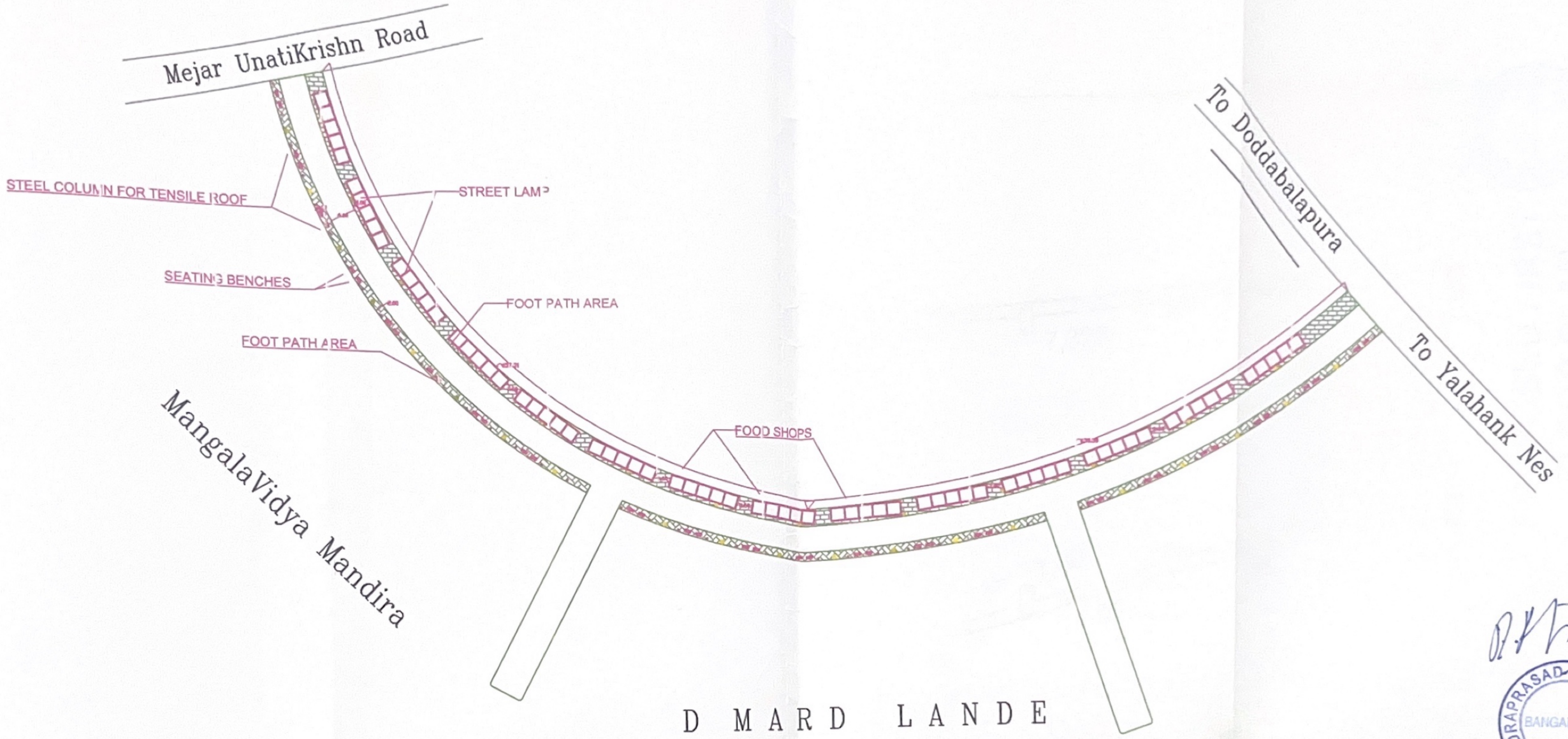


PLAN

RUDRAPRASAD CONSULTANTS BANGALORE

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | CONSTRUCTION OF SYNTHETIC TENNIS COURT,STREET VENDING ZONE & OTHER DEVELOPMENT WORKS AT JUDICIAL LAYOUT MAIN AND CROSS ROADS,CHIKKABOMMASANDRA,SOMESHWARA NAGARALLALASANDRA VILLAGE AND SURROUNDING AREAS IN WARD NO.04 OF YELAHANKA DIVISION UNDER AMURTHNAGAROTHAN GRANTS(PACKAGE No-06) | | | | |
| NAME OF WORK | EXTENSION OF STREET VENDERING ZONE FROM GANESH THREATER TO SANDEEP UNNIKRISHNAN ROAD IN YELAHANKA UPANAGARA WARD NO - 04 | DESIGN | R.KARTHIK RECHAN B.E, M.S(U.S.A) | | |
| | | CHECKED | R.RUDRAPRASAD M.E, Pg(USA),F.I.V.,F.I.E | | |
| CLIENT | BBMP | DATE | 29-06-2022 | DRAWN | |
| TITLE | PLAN | DWG NO. | | SCALE: NTS | REV: R0 |

NOTES:-
1) Do Not Scale The Drawings
2) All Dimensions Are In Millimeters

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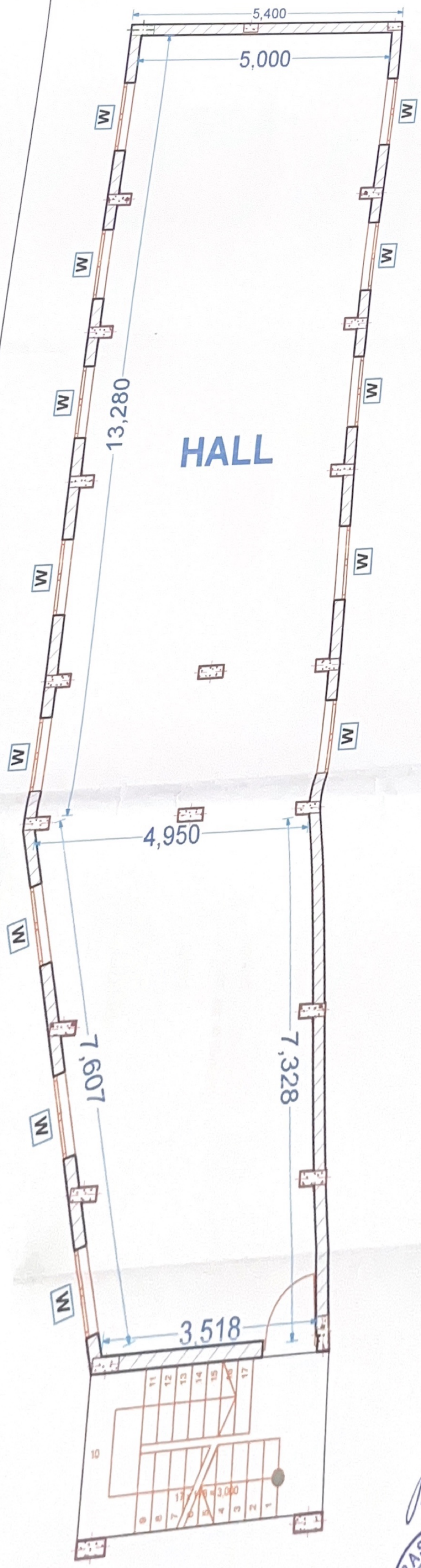



# PROPOSED FIRST FLOOR PLAN

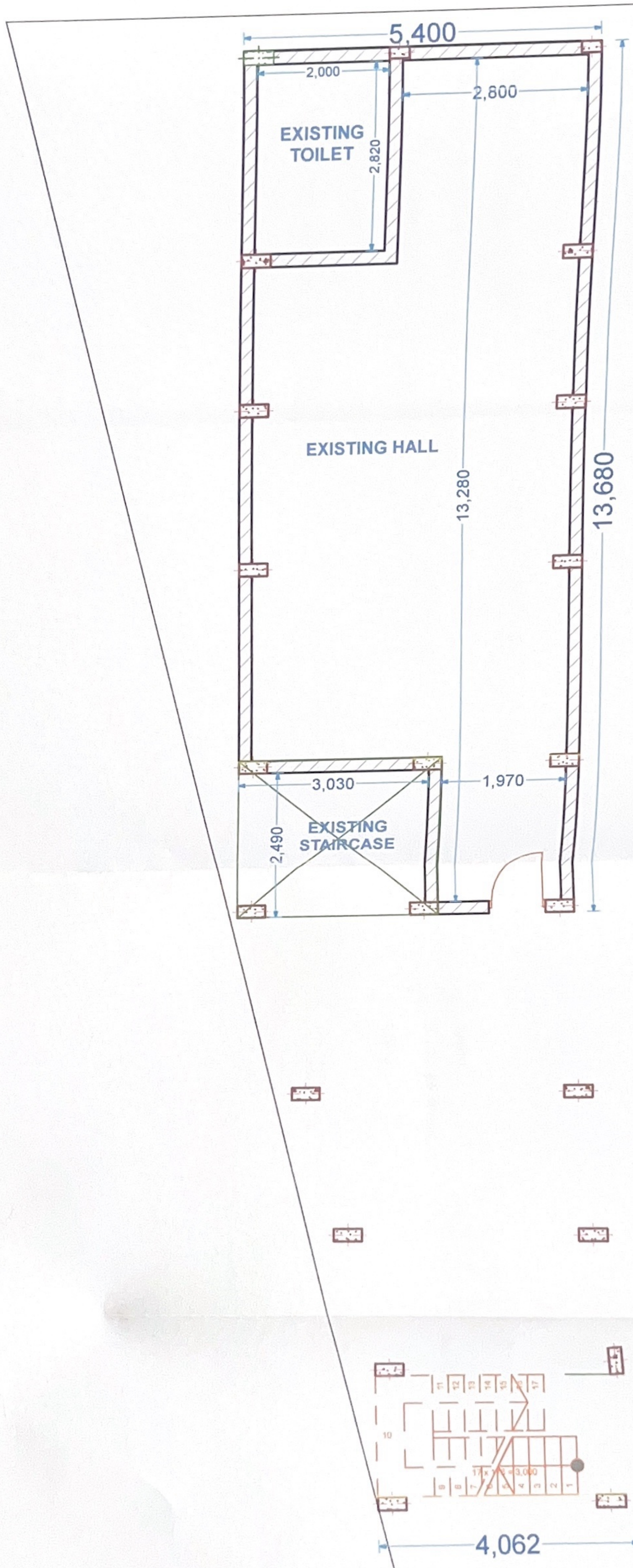
RUDRAPRASAD CONSULTANTS
BANGALORE

RUDRAPRASAD CONSULTANTS

DESIGN R.KARTHIK REDHAN

CHECKED R.RUDRAPRASAD

AREA 116.9 sqm




# EXISTING PLAN

RUDRAPRASAD CONSULTANTS BANGALORE

NOTES :-
1) Do Not Scale The Drawings
2) All Dimensions Are in Millimeters

| | | | | | |
|---|---|---|---|---|---|
| PROJECT | Construction of Epidemic Transit Court, Street Vending Zone & Other Developments/ Widen at Jeddal Layout Main and Cross Roads, Chikkabasavanachi, Basaveshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No. 06 of Yelahanka Division under Amruth Nagarothana Grants. (PACKAGE No - 08) (Construction of Additional Floor to Senior Citizen Building at Jeddal Layout in Yelahanka Upanagara Ward No.06) | DESIGN | R.KARTHIK RECHAN | | RUDRAPRASAD CONSULTANTS STRUCTURAL ENGINEERS, ARCHITECTS & PROJECT MANAGEMENT CONSULTANTS |
| | | CHECKED | R.RUDRAPRASAD | | |
| CLIENT | BBMP | DATE | | DRAWN | |
| TITLE | EXISTING FLOOR PLAN | DWG NO. | | SCALE: NTS | |

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**Name of Work:Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads,Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

**DRAFT TENDER SCHEDULE**

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 and directions of the Engineer in charge. | Cum | 28.24 | | |
| 2 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar. and directions of the Engineer in charge. | Cum | 40.50 | | |
| 3 | Removing and refixing stone slabs of drains and pointing in CM (1:3) and directions of the Engineer in charge. | Sqm | 1168.94 | | |
| 4 | Removing and refixing of footpath slab (Data Rate) and directions of the Engineer in charge. | Sqm | 2467.12 | | |
| 5 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and directions of the Engineer in charge. | Cum | 9215.62 | | |
| 6 | Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing etc , complete and directions of the Engineer in charge. and directions of the Engineer in charge. | Sqm | 191.97 | | |
| 7 | Providing one line dressing to granite stone slab / granite stone masonry as per specifications as directed by the Engineer in Charge of the work. (excluding GST and Area Leading Charges)(Data Rate) and directions of the Engineer in charge. | Sqm | 721.01 | | |
| 8 | Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge. | Cum | 1511.42 | | |
| 9 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)and directions of the Engineer in charge. | Cum | 2146.25 | | |
| 10 | Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and directions of the Engineer in charge. | tonne | 132.87 | | |
| 11 | Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | Sqm | 5961.71 | | |
| 12 | Providing and Fixing pre cast covering Slab 150mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | Sqm | 289.80 | | |
| 13 | Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | Sqm | 346.56 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 14 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 390.18 | | |
| 15 | Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate) and directions of the Engineer in charge. | Nos | 19802.00 | | |
| 16 | Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. and directions of the Engineer in charge. | Sqm | 3118.15 | | |
| 17 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and directions of the Engineer in charge. | Cum | 213.14 | | |
| 18 | Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. and directions of the Engineer in charge. | Sqm | 3772.72 | | |
| 19 | Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications and directions of the Engineer in charge. | Sqm | 1194.40 | | |
| 20 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification and directions of the Engineer in charge. | Cum | 535.58 | | |
| 21 | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and directions of the Engineer in charge. | Cum | 3109.42 | | |
| 22 | Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead and directions of the Engineer in charge. | Sqm | 1353.30 | | |
| 23 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 ( For Grading -V Material) and directions of the Engineer in charge. | Cum | 206.52 | | |
| 24 | Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density Specification and directions of the Engineer in charge. | Cum | 2788.72 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 25 | Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means Specification and directions of the Engineer in charge. | Sqm | 20542.98 | | |
| 26 | Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge. | Cum | 1027.15 | | |
| 27 | Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Specification and directions of the Engineer in charge | Sqm | 30511.44 | | |
| 28 | Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG 30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge. | Cum | 1220.46 | | |
| 29 | Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Specification and directions of the Engineer in charge. | Sqm | 991.18 | | |
| 30 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite /trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 585.88 | | |
| 31 | Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. | Cum | 524.48 | | |
| 32 | Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge. | m | 728.00 | | |
| 33 | Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). and directions of the Engineer in charge. | m | 728.00 | | |
| 34 | Providing and applying Epoxy paint of approved quality over newly laid cement concrete surface for cycle track with 2coats of primer @0.35kg/Sqm) one mid coat sprayed at 2.1kg per sqm mixed with m Sand at 3.15kg per Sqm and one top coat sprayed at 0.35kg per Sqm along with marking and painting of cycle symbol at every 50m, arrows at front and back of the cycle symbol and edge lane marking with cleaning making all necessary arrangements before painting of each layer along with all labours, lead lift, transportation of materials, HOM of Machinaries as per approved drawing, specifications and as per the instructions of Engineer In Charge Complete. (Data Rate) | Sqm | 3000.00 | | |
| 35 | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.in Cement motorand directions of the Engineer in charge. | Sqm | 15.60 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 36 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm and directions of the Engineer in charge. | Sqm | 28.44 | | |
| 37 | Demolishing R.C.C work manually by mechanical means including stacking of steel bars and dispoasal of unserviceable material to the appropriate disposal area and directions of the Engineer in charge | Sqm | 5.75 | | |
| 38 | Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth and directions of the Engineer in charge. | Cum | 123.45 | | |
| 39 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m and directions of the Engineer in charge. | Cum | 561.59 | | |
| 40 | Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and directions of the Engineer in charge. | Cum | 109.21 | | |
| 41 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. and directions of the Engineer in charge. | Cum | 239.60 | | |
| 42 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 and directions of the Engineer in charge. | Cum | 354.36 | | |
| 43 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge. | Cum | 3.91 | | |
| 44 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and directions of the Engineer in charge. | Cum | 94.28 | | |
| 45 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and directions of the Engineer in charge. | Cum | 44.88 | | |
| 46 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA).and directions of the Engineer in charge. | Cum | 2.47 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
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| | | | | In Figures | In Words |
| 47 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 6.48 | | |
| 48 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 57.10 | | |
| 49 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 0.18 | | |
| 50 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 6.21 | | |
| 51 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 25.85 | | |
| 52 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 2.05 | | |
| 53 | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 0.86 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
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| | | | | In Figures | In Words |
| 54 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | kg | 29899.49 | | |
| 55 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | kg | 4888.43 | | |
| 56 | Providing Tile brick masonry with common burnt clay Non Modular tile bricks of class designation 5.0 conforming to IS 2690 (Part I) in superstructure above plinth level up to floor I level in cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete and as per the direction of engineer incharge of work.. | Sqm | 114.00 | | |
| 57 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work.. | Sqm | 0.34 | | |
| 58 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work.. | sqm | 128.89 | | |
| 59 | Applying stamping finish on M30 grade concrete on PCC sub grade, applying and finishing with stamp/ stencil of approved pattern and color in accordance with Engineers instructions & approved drawings with use of any approved brand of color hardener of 4.5 kg/m2, including floating of color hardener over the concrete surface with different types of floaters, application of release agent of 0.12 to 0.13kg/m2 depending on matching combination of selected color, stamping over the concrete surface with stamping tools , cleaning of surface with water and groove cutting of finished concrete and application of acrylic based sealer for final finish. Coverage of sealer should be 0.30litre/m2 per coat. The cost is inclusive of manpower, cutting machine, sprayer and all tools tackles for all activities and complete smooth and finish as per technical specifications.(The cost of Concrete shall be paid separately) and as per the direction of engineer incharge of work.. | Sqm | 29.35 | | |
| 60 | Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. and as per the direction of engineer incharge of work.. | Sqm | 165.67 | | |
| 61 | Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work.. | Sqm | 29.35 | | |
| 62 | Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work.. | Sqm | 94.52 | | |
| 63 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work.. | Sqm | 515.47 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
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| | | | | In Figures | In Words |
| 64 | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 874.16 | | |
| 65 | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 153.64 | | |
| 66 | Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 657.75 | | |
| 67 | Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 326.76 | | |
| 68 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 1476.02 | | |
| 69 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge. | Sqm | 1026.02 | | |
| 70 | Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge | Sqm | 889.94 | | |
| 71 | Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 153.64 | | |
| 72 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete and as per the direction of engineer incharge of work.. | Sqm | 37.10 | | |
| 73 | Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. -do- 30 mm thick both side commercial and as per the direction of engineer incharge of work.. | Sqm | 1.89 | | |
| 74 | Providing Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.. and as per the direction of engineer incharge of work.. | Cum | 0.04 | | |
| 75 | Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work.. | Sqm | 4.20 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 76 | Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work.. | Sqm | 23.04 | | |
| 77 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work.. | Kg | 844.20 | | |
| 78 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work.. | Kg | 483.84 | | |
| 79 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 126.48 | | |
| 80 | Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. and as per the direction of engineer incharge of work.. | Sqm | 29.35 | | |
| 81 | Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps ), but including cost of materials, labour, usage charges complete as per specifications and as per the direction of engineer incharge of work.. | Cum | 0.11 | | |
| 82 | Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. and as per the direction of engineer incharge of work.. | Sqm | 1.89 | | |
| 83 | Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with | Sqm | 1.89 | | |
| 84 | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 225.00 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
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| | | | | In Figures | In Words |
| 85 | Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm Maximum possible size - 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work.. | Sqm | 36.00 | | |
| 86 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work.. | Sqm | 113.79 | | |
| 87 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work.. | Sqm | 153.64 | | |
| 88 | Design and Detailed Enginnering supply and Erection of Structural Steel Support complete with 2 coat of epoxy primer coating and with necessary fixing transportation site supervision and commissioning of tensioned membrane structure including preparation of membrane shop drawings of PVC tensioned membraneRoof Structure consisting of Flying mast out of IS make CHS Floder clips.Aluminium clamp boards hardware like bolts screws washers,keder profile extrusion to recive bolts galvonized cablex as perindian standard.The tensile membrane made from germany make mehler valmex FR900-type II,with 100% white colour,PVDF-lacquer on both sides protected against microbat and fungal attack UV-protected with weight og 90g/sqm with 25 years warranty all inclusive and complete as per Engineers instructions includig all lead and lift and as per the directions of the Engineer incharge.1.Tenders shall not be under a Declaration of ineligibility for corrupt and fraudulent practices issued by the Government of ineligibility for corrupt and fradulent practices issued by the government of Karnataka (GOK) /Bruhat Banglore Mahanagara palike (BBMP)2. tenders from | Sqm | 980.43 | | |
| 89 | Construction of Embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded with desired compaction. and as per the direction of engineer incharge of work.. | Cum | 34446.38 | | |
| 90 | Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water, all materials,usage& all other appurtenaces required to complete the work. and as per the direction of engineer incharge of work.. | Cum | 4395.33 | | |
| 91 | Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) and as per the direction of engineer incharge of work.. | lt | 2000.00 | | |
| 92 | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge | kg | 165.60 | | |
| 93 | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc , including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. | Sqm | 165.60 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
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| | | | | In Figures | In Words |
| 94 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work.. | Sqm | 215.60 | | |
| 95 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work.. | Sqm | 102.97 | | |
| 96 | Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. | kg | 11103.67 | | |
| 97 | Providing and fixing PUF Pannel with precoated galvanised iron profile sheets on the top surface and a ribbed liner tray on the underside and a sandwiched insulation cover. The Profile is as follows- Inner skin: Ribbed liner, aluminium foil/craft paper Outer skin: 35x250mm trapezoidal profile with 2 secondary ribs and anti-capillary flute. The panel thickness of 50 mm. Surface finish: Metallic, solid colours, Polyvinylidene fluoride (PVDF) & super polyster coatings. The Specifications of precoated galvanised iron profile sheets is as follows (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet hould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, | Sqm | 343.98 | | |
| 98 | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS. 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete .Gutter (600 mm over all girth) and as per the direction of engineer incharge of work.. | Rm | 81.90 | | |
| 99 | Providing & fixing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins. and as per the direction of engineer incharge of work.. | Rm | 81.90 | | |
| 100 | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications For Rain water pipe.do-110mm dia and as per the direction of engineer incharge of work.. | Rm | 12.00 | | |
| 101 | Executive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and lift Charges) (inclusive of all taxes ) As per the directon of Engineer Incharge. ( Data approved rate) | Nos | 42.00 | | |
| 102 | Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) and as per the direction of engineer incharge of work.. | Cum | 13374.81 | | |
| 103 | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km and as per the direction of engineer incharge of work | t.Km | 17119.76 | | |
| 104 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ..... mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work. | mtr | 585.00 | | |

| tem No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 105 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick and as per the direction of engineer incharge of work. | mtr | 1125.00 | | |
| 106 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2mm thick thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work | mtr | 170.00 | | |
| 107 | Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall. and as per the direction of engineer incharge of work.. | Mtr | 200.00 | | |
| 108 | Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required. 25mm. and as per the direction of engineer incharge of work.. | mtr | 155.00 | | |
| 109 | Supplying PVC/GI flexible conduit pipe... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm complete and as per the directions of the Engineer-in-charge of the work. | mtr | 390.00 | | |
| 110 | Supplying And Fixing Metal Fan Box with Round Hook. and as per the direction of engineer incharge of work.. | Each | 41.00 | | |
| 111 | Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Short point upto 3Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work.. | Each | 137.00 | | |
| 112 | Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box. and as per the direction of engineer incharge of work.. | Each | 17.00 | | |
| 113 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm.. and as per the direction of engineer incharge of work.. | mtr | 1725.00 | | |
| 114 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5 sqmm.. and as per the direction of engineer incharge of work.. | mtr | 2480.00 | | |
| 115 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 4 sqmm.. and as per the direction of engineer incharge of work.. | mtr | 290.00 | | |
| 116 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way. and as per the direction of engineer incharge of work.. | Each | 71.00 | | |
| 117 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way. and as per the direction of engineer incharge of work.. | Each | 50.00 | | |
| 118 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way. and as per the direction of engineer incharge of work.. | Each | 8.00 | | |
| 119 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way and as per the direction of engineer incharge of work.. | Each | 48.00 | | |
| 120 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module.. and as per the direction of engineer incharge of work.. | Each | 65.00 | | |
| 121 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module.. and as per the direction of engineer incharge of work.. | Each | 20.00 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 122 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 8 Module. and as per the direction of engineer incharge of work.. | Each | 34.00 | | |
| 123 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box12 Module. and as per the direction of engineer incharge of work.. | Each | 26.00 | | |
| 124 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.. and as per the direction of engineer incharge of work.. | Each | 19.00 | | |
| 125 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps Two way. and as per the direction of engineer incharge of work.. | Each | 5.00 | | |
| 126 | Stepped Fan Regulator.. and as per the direction of engineer incharge of work.. | Each | 3.00 | | |
| 127 | 16Amps one way switch. and as per the direction of engineer incharge of work.. | Each | 7.00 | | |
| 128 | TV/Telephone socket. and as per the direction of engineer incharge of work.. | Each | 1.00 | | |
| 129 | Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.. and as per the direction of engineer incharge of work.. | mtr | 111.00 | | |
| 130 | Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp. and as per the direction of engineer incharge of work.. | Each | 5.00 | | |
| 131 | Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply. and as per the direction of engineer incharge of work.. | Each | 24.00 | | |
| 132 | LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input. 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts complete and as per the directions of the Engineer-in-charge of the work. | Each | 91.00 | | |
| 133 | Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition.. and as per the direction of engineer incharge of work.. | Each | 24.00 | | |
| 134 | Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.. and as per the direction of engineer incharge of work.. | Each | 15.00 | | |
| 135 | 60W highbay LED linear type light fixture make-crompton ,model -LHBL60CDL and as per the direction of engineer incharge of work.. | Each | 104.00 | | |
| 136 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP. and as per the direction of engineer incharge of work.. | Each | 6.00 | | |
| 137 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP. and as per the direction of engineer incharge of work.. | Each | 7.00 | | |
| 138 | 40-63Amps DP and as per the direction of engineer incharge of work.. | Each | 6.00 | | |
| 139 | 40-63Amps TPN. and as per the direction of engineer incharge of work.. | Each | 2.00 | | |
| 140 | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 12Way SP &N. and as per the direction of engineer incharge of work.. | Each | 29.00 | | |

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in Rs. | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 141 | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure III - Double Door 4Way TP &N. and as per the direction of engineer incharge of work.. | Each | 1.00 | | |
| 142 | Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 32-40 Amps 2 pole. and as per the direction of engineer incharge of work.. | Each | 4.00 | | |
| 143 | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm and as per the direction of engineer incharge of work.. | Each | 4.00 | | |
| 144 | Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts. and as per the direction of engineer incharge of work.. | mtr | 10.00 | | |
| 145 | Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc , complete. 14SWG and as per the direction of engineer incharge of work.. | Sq cms | 150000.00 | | |
| 146 | 600x600x3mm GI Plate and as per the direction of engineer incharge of work.. | Each | 2.00 | | |
| 147 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6 A Two Way Switch. and as per the direction of engineer incharge of work.. | Each | 310.00 | | |
| 148 | Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" sweep (1200mm) and as per the direction of engineer incharge of work.. | Each | 9.00 | | |
| 149 | Supplying and fixing of slim patty fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Fluorescent Tube and as per the direction of engineer incharge of work.. | Each | 2.00 | | |
| 150 | Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply and as per the direction of engineer incharge of work.. | Each | 25.00 | | |

"No of CORRECTION NIC"

"DTS APPROVED"

Executive Engineer
BBMP

ಮುಖ್ಯ ಅಭಿಯಂತರರು,
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at j and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No- Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no. 05 | | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | **4330.43** | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | **1015.04** | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | **1451.90** | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Road beautification** | | | | | | | | | |
| | | **For CC Drain** | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| | | (From North to South) | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 195.00 | 210.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 210.00 | 222.60 | | Cum | 1 | 12.60 | 1.10 | | | 1.20 | 16.63 | |
| 222.60 | 237.60 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 237.60 | 252.60 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 252.60 | 267.60 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 267.60 | 282.60 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 282.60 | 290.60 | | Cum | 1 | 8.00 | 1.10 | | | 1.20 | 10.56 | |
| | | **RHS** | | | | | | | | | |
| | | (From North to South) | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 90.00 | 96.80 | | Cum | 1 | 6.80 | 1.10 | | | 1.20 | 8.98 | |
| 96.80 | 112.40 | Culvert | Cum | 1 | 0.00 | 1.10 | | | 1.20 | 0.00 | |
| 112.40 | 127.40 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 127.40 | 142.40 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 142.40 | 157.40 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 157.40 | 172.40 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 172.40 | 187.40 | | Cum | 1 | 15.00 | 1.10 | | | 1.20 | 19.80 | |
| 187.40 | 199.60 | | Cum | 1 | 12.20 | 1.10 | | | 1.20 | 16.10 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | For Hume pipes | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 180.00 | 210.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 210.00 | 240.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 240.00 | 270.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 270.00 | 290.60 | | Cum | 1 | 20.60 | 0.60 | | | 2.00 | 24.72 | |
| | | For HDPE pipes | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 180.00 | 210.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 210.00 | 240.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 240.00 | 270.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 270.00 | 290.60 | | Cum | 1 | 20.60 | 1.00 | | | 1.00 | 20.60 | |
| | | RHS | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 180.00 | 199.60 | | Cum | 1 | 19.60 | 1.00 | | | 1.00 | 19.60 | |
| | | water pipes | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 180.00 | 199.60 | | Cum | 1 | 19.60 | 0.30 | | | 0.60 | 3.53 | |
| | | Deductions | | | | | | | | | |
| | | HDPE Pipe chamber | Cum | -24 | 1.20 | 1.00 | | | 1.10 | -31.68 | |
| | | Hume Pipe chamber | Cum | -10 | 1.20 | 0.60 | | | 2.00 | -14.40 | |
| | | | | | | | | | Total Executed Quantity | 8252.60 | |
| | | | | | | | | | Qty Carried to Summary | 8252.60 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | For Hume pipes | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 180.00 | 210.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 210.00 | 240.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 240.00 | 270.00 | | Cum | 1 | 30.00 | 0.60 | | | 2.00 | 36.00 | |
| 270.00 | 290.60 | | Cum | 1 | 20.60 | 0.60 | | | 2.00 | 24.72 | |
| | | For HDPE pipes | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 180.00 | 210.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 210.00 | 240.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 240.00 | 270.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 270.00 | 290.60 | | Cum | 1 | 20.60 | 1.00 | | | 1.00 | 20.60 | |
| | | RHS | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 1.00 | | | 1.00 | 30.00 | |
| 180.00 | 199.60 | | Cum | 1 | 19.60 | 1.00 | | | 1.00 | 19.60 | |
| | | water pipes | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.60 | 5.40 | |
| 180.00 | 199.60 | | Cum | 1 | 19.60 | 0.30 | | | 0.60 | 3.53 | |
| | | Deductions | | | | | | | | | |
| | | HDPE Pipe chamber | Cum | -24 | 1.20 | 1.00 | | | 1.10 | -31.68 | |
| | | Hume Pipe chamber | Cum | -10 | 1.20 | 0.60 | | | 2.00 | -14.40 | |
| | | | | | | | | | Total Executed Quantity | 8252.60 | |
| | | | | | | | | | Qty Carried to Summary | 8252.60 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 08 | | Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications and directions of the Engineer in charge | | | | | | | | | |
| Measurements taken on | | 05/01/2023, 06/01/2023, 07/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | **632.31** | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | **134.91** | |
| | | Present Bill Measurements | | | | | | | | **344.82** | |
| | | **Senior citizen building** | | | | | | | | | |
| | | **PCC** | | | | | | | | | |
| | | below PB1 | | | | | | | | | |
| | | Below PB1 along grid C | Cum | 1 | 4.10 | 0.45 | | | 0.15 | 0.28 | |
| | | Below PB1 along grid D | Cum | 1 | 3.59 | 0.45 | | | 0.15 | 0.24 | |
| | | Below PB1 along grid E&F | Cum | 2 | 3.21 | 0.45 | | | 0.15 | 0.43 | |
| | | Below PB2 | | | | | | | | | |
| | | Below PB2 along grid 4&6 b/w E&F | Cum | 2 | 2.93 | 0.45 | | | 0.15 | 0.39 | |
| | | Below PB2 along grid 4-Left | Cum | 1 | 4.57 | 0.45 | | | 0.15 | 0.31 | |
| | | Below PB2 along grid 4-Right | Cum | 1 | 4.36 | 0.45 | | | 0.15 | 0.29 | |
| | | Compound wall -Below SSM | Cum | 1 | 14.20 | 0.60 | | | 0.15 | 1.28 | |
| | | **Deduction** | | | | | | | | | |
| | | Columns | Cum | -8 | 0.20 | 0.45 | | | 0.15 | -0.11 | |
| | | | | | | | | | | | |
| | | **Road Beautification shops-below SSM** | | | | | | | | | |
| | | **Unit 1 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 0.15 | 4.37 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | **Unit 2 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 3 | 9.80 | 0.90 | | | 0.15 | 2.65 | |
| | | Short wall-external | Cum | 2 | 1.34 | 0.90 | | | 0.15 | 0.36 | |
| | | Short wall-internal | Cum | 1 | 1.34 | 0.90 | | | 0.15 | 0.18 | |
| | | | Cum | 1 | 1.35 | 0.90 | | | 0.15 | 0.18 | |
| | | **Unit 3 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.90 | | | 0.15 | 2.65 | |
| | | Short wall-external | Cum | 2 | 1.36 | 0.90 | | | 0.15 | 0.37 | |
| | | Short wall-internal | Cum | 1 | 1.38 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

## BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)

### PRE MEASUREMENT SHEET

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Unit 4 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.2 | 0.90 | | | 0.15 | 4.37 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | **Unit 5 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.2 | 0.90 | | | 0.15 | 4.37 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | **Unit 6 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.2 | 0.90 | | | 0.15 | 4.37 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | | | | | | | | | | |
| | | **Unit 7 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.2 | 0.90 | | | 0.15 | 4.37 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.15 | 0.18 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.1[illegible] | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.15 | 0.18 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.15 | 0.19 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.15 | 0.19 | |
| | | **Senior citizen building** | | | | | | | | | |
| | | **For sump-PCC** | | | | | | | | | |
| | | | Cum | 1 | 2.60 | 2.60 | | | 0.15 | 1.01 | |
| | | **Road beautification-Pedestal-PCC** | | | | | | | | | |
| | | | Cum | 31 | 4.20 | 1.80 | | | 0.15 | 35.15 | |
| | | **For CC Drain** | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| | | (From North to South) | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR    PMC    ASSISTANT ENGINEER    ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 195.00 | 210.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 210.00 | 222.60 | | Cum | 1 | 12.60 | 1.10 | | | 0.15 | 2.08 | |
| 222.60 | 237.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 237.60 | 252.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 252.60 | 267.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 267.60 | 282.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 282.60 | 290.60 | | Cum | 1 | 8.00 | 1.10 | | | 0.15 | 1.32 | |
| | | **RHS** | | | | | | | | | |
| | | (From North to South) | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 90.00 | 96.80 | | Cum | 1 | 6.80 | 1.10 | | | 0.15 | 1.12 | |
| 96.80 | 112.40 | Culvert | Cum | 1 | 0.00 | 1.10 | | | 0.15 | 0.00 | |
| 112.40 | 127.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 127.40 | 142.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 142.40 | 157.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 157.40 | 172.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 172.40 | 187.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 187.40 | 199.60 | | Cum | 1 | 12.20 | 1.10 | | | 0.15 | 2.01 | |
| | | **For HDPE Pipe Chamber** | | | | | | | | | |
| | | RHS | Cum | 12 | 1.40 | 1.40 | | | 0.15 | 3.53 | |
| | | LHS | Cum | 12 | 1.40 | 1.40 | | | 0.15 | 3.53 | |
| | | **For Hume Pipe Chamber** | | | | | | | | | |
| | | LHS | Cum | 10 | 1.20 | 1.20 | | | 0.15 | 2.16 | |
| | | | | | | | | | | | |
| | | **Road Beautification-shops floor** | | | | | | | | | |
| | | **Unit 1-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.99 | 2.93 | | | 0.15 | 1.31 | |
| | | | Cum | 1 | 2.99 | 2.94 | | | 0.15 | 1.32 | |
| | | | Cum | 1 | 2.99 | 2.96 | | | 0.15 | 1.33 | |
| | | | Cum | 1 | 2.98 | 2.98 | | | 0.15 | 1.33 | |
| | | | Cum | 1 | 2.96 | 2.98 | | | 0.15 | 1.32 | |
| | | **Unit 2-3shops unit** | | | | | | | | | |
| | | | Cum | 1 | 3.00 | 2.91 | | | 0.15 | 1.31 | |
| | | | Cum | 1 | 2.98 | 2.91 | | | 0.15 | 1.30 | |
| | | | Cum | 1 | 2.99 | 2.92 | | | 0.15 | 1.31 | |
| | | **Unit 3-3shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.98 | 2.93 | | | 0.15 | 1.31 | |
| | | | Cum | 1 | 2.99 | 2.95 | | | 0.15 | 1.32 | |
| | | | Cum | 1 | 2.98 | 2.94 | | | 0.15 | 1.31 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**AME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main nd cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka ivision under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 195.00 | 210.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 210.00 | 222.60 | | Cum | 1 | 12.60 | 1.10 | | | 0.15 | 2.08 | |
| 222.60 | 237.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 237.60 | 252.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 252.60 | 267.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 267.60 | 282.60 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 282.60 | 290.60 | | Cum | 1 | 8.00 | 1.10 | | | 0.15 | 1.32 | |
| | | **RHS** | | | | | | | | | |
| | | (From North to South) | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 90.00 | 96.80 | | Cum | 1 | 6.80 | 1.10 | | | 0.15 | 1.12 | |
| 96.80 | 112.40 | Culvert | Cum | 1 | 0.00 | 1.10 | | | 0.15 | 0.00 | |
| 112.40 | 127.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 127.40 | 142.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 142.40 | 157.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 157.40 | 172.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 172.40 | 187.40 | | Cum | 1 | 15.00 | 1.10 | | | 0.15 | 2.48 | |
| 187.40 | 199.60 | | Cum | 1 | 12.20 | 1.10 | | | 0.15 | 2.01 | |
| | | **For HDPE Pipe Chamber** | | | | | | | | | |
| | | RHS | Cum | 12 | 1.40 | 1.40 | | | 0.15 | 3.53 | |
| | | LHS | Cum | 12 | 1.40 | 1.40 | | | 0.15 | 3.53 | |
| | | **For Hume Pipe Chamber** | | | | | | | | | |
| | | LHS | Cum | 10 | 1.20 | 1.20 | | | 0.15 | 2.16 | |
| | | | | | | | | | | | |
| | | **Road Beautification-shops floor** | | | | | | | | | |
| | | **Unit 1-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.99 | 2.93 | | | 0.15 | 1.31 | |
| | | | Cum | 1 | 2.99 | 2.94 | | | 0.15 | 1.32 | |
| | | | Cum | 1 | 2.99 | 2.96 | | | 0.15 | 1.33 | |
| | | | Cum | 1 | 2.98 | 2.98 | | | 0.15 | 1.33 | |
| | | | Cum | 1 | 2.96 | 2.98 | | | 0.15 | 1.32 | |
| | | **Unit 2-3shops unit** | | | | | | | | | |
| | | | Cum | 1 | 3.00 | 2.91 | | | 0.15 | 1.31 | |
| | | | Cum | 1 | 2.98 | 2.91 | | | 0.15 | 1.30 | |
| | | | Cum | 1 | 2.99 | 2.92 | | | 0.15 | 1.31 | |
| | | **Unit 3-3shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.98 | 2.93 | | | 0.15 | 1.31 | |
| | | | Cum | 1 | 2.99 | 2.95 | | | 0.15 | 1.32 | |
| | | | Cum | 1 | 2.98 | 2.94 | | | 0.15 | 1.31 | |

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

ASSIST

CONTRACTOR

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 10 | | Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications and directions of the Engineer in charge | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 64.83 | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | 19.04 | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 15.87 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **For Drain** | **Tonne** | | **From Calculation Sheet** | | | | | 12.29 | |
| | | | | | | | | | **Total Executed Quantity** | 112.03 | |
| | | | | | | | | | **Qty Carried to Summary** | 112.03 | |

BHADRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:-Construction of Synthetic tennis court,street vending zone & other developmental works at judicial court main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-20 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth And Final Bill**

**STEEL CALCULATION**

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | kg/m | Kg's |
| Item No.10 | Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and directions of the Engineer in charge. | | | | | | | | |
| Measurements Taken On | 13/01/2023 | | | | | | | | |
| | Present Bill Measurements | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | **1st B Cross Road** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | (From North to South) | | | | | | | | |
| | Main Bars ( #10@100 c/c) | 1 | 10 | 2906 | 2906 | 3.00 | 8718.00 | 0.62 | 5374.97 |
| | Distribution(19-#8) | 1 | 8 | 19 | 19 | 290.60 | 5448.75 | 0.39 | 2149.99 |
| | | | | | | | | | |
| | **RHS** | | | | | | | | |
| | (From North to South) | | | | | | | | |
| | Main Bars ( #10@100 c/c) | 1 | 10 | 1840 | 1840 | 3.00 | 5520.00 | 0.62 | 3403.29 |
| | Distribution(19-#8) | 1 | 8 | 19 | 19 | 184.00 | 3450.00 | 0.39 | 1361.31 |
| | | | | | | | **Steel Quantity in kg** | | **12289.55** |
| | | | | | | | **Steel Quantity in tonne** | | **12.29** |

RUDRAPRASAD CONSULTANTS BANGALORE

Contractor

PMC

Assistant Engineer

Assistant executive Engineer

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 14 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge | | | | | | | | | |
| Measurements taken on | | 11/01/2023, 12/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 146.80 | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | 13.90 | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 88.79 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Compound wall-SSM above coping | Cum | 1 | 14.20 | | | 0.45 | 0.10 | 0.64 | |
| | | | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | |
| | | **Shops** | | | | | | | | | |
| | | Cobble stone-PCC | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | 2.10 | 2.10 | 2.10 | 0.10 | 0.97 | |
| | | | | | | | | | | | |
| | | RHS | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 90.00 | 100.00 | | Cum | 1 | 10.00 | 4.10 | 4.10 | 4.10 | 0.10 | 4.10 | |
| 100.00 | 113.00 | road | Cum | 1 | 0.00 | 4.10 | 4.10 | 4.10 | 0.10 | 0.00 | |
| 113.00 | 128.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 128.00 | 143.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 143.00 | 158.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 158.00 | 173.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 173.00 | 188.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 188.00 | 203.00 | | Cum | 1 | 4.00 | 4.10 | 4.10 | 4.10 | 0.10 | 1.64 | |
| 203.00 | 207.00 | | | | | | | | | | |

SUDARAPRASAD CONSULTANTS BANGALORE

CONTRACTOR | PMC | ASSISTANT ENGINEER | ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 14 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, conforming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge | | | | | | | | | |
| Measurements taken on | | 11/01/2023, 12/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 146.80 | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | 13.99 | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 88.79 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Compound wall-SSM above coping | Cum | 1 | 14.20 | | | 0.45 | 0.10 | 0.64 | |
| | | **Road Beautification** | | | | | | | | | |
| | | **Shops** | | | | | | | | | |
| | | Cobble stone-PCC | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 2.10 | 2.10 | 2.10 | 0.10 | 3.15 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | 2.10 | 2.10 | 2.10 | 0.10 | 0.97 | |
| | | | | | | | | | | | |
| | | RHS | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 90.00 | 100.00 | | Cum | 1 | 10.00 | 4.10 | 4.10 | 4.10 | 0.10 | 4.10 | |
| 100.00 | 113.00 | road | Cum | 1 | 0.00 | 4.10 | 4.10 | 4.10 | 0.10 | 0.00 | |
| 113.00 | 128.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 128.00 | 143.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 143.00 | 158.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 158.00 | 173.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 173.00 | 188.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 188.00 | 203.00 | | Cum | 1 | 15.00 | 4.10 | 4.10 | 4.10 | 0.10 | 6.15 | |
| 203.00 | 207.00 | | Cum | 1 | 4.00 | 4.10 | 4.10 | 4.10 | 0.10 | 1.64 | |
| | | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Deduction | | | | | | | | | |
| | | Unit 1-Shops | Cum | -1 | 16.28 | | | 3.17 | 0.10 | -5.16 | |
| | | Unit 2-Shops | Cum | -1 | 9.80 | | | 3.15 | 0.10 | -3.09 | |
| | | Unit 3-Shops | Cum | -1 | 9.80 | | | 3.15 | 0.10 | -3.09 | |
| | | Unit 4-Shops | Cum | -1 | 16.28 | | | 3.20 | 0.10 | -5.21 | |
| | | Unit 5-Shops | Cum | -1 | 16.28 | | | 3.17 | 0.10 | -5.16 | |
| | | Unit 6-Shops | Cum | -1 | 16.28 | | | 3.17 | 0.10 | -5.16 | |
| | | Unit 7-Shops | Cum | -1 | 16.28 | | | 3.17 | 0.10 | -5.16 | |
| | | | | | | | | | | | |
| | | Kerb PCC | | | | | | | | | |
| | | **Shops** | | | | | | | | | |
| | | LHS | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | | | 0.20 | 0.10 | 0.09 | |
| | | | | | | | | | | | |
| | | RHS | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 90.00 | 100.00 | | Cum | 1 | 10.00 | | | 0.20 | 0.10 | 0.20 | |
| 100.00 | 113.00 | road | Cum | 1 | 0.00 | | | 0.20 | 0.10 | 0.00 | |
| 113.00 | 128.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 128.00 | 143.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 143.00 | 158.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 158.00 | 173.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 173.00 | 188.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 188.00 | 203.00 | | Cum | 1 | 15.00 | | | 0.20 | 0.10 | 0.30 | |
| 203.00 | 207.00 | | Cum | 1 | 4.00 | | | 0.20 | 0.10 | 0.08 | |
| | | | | | | | | | Total Executed Qty Carried | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 21 | | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 05/01/2023, 06/01/2023 | | | | | | | | | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 2722.58 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | |
| | | CC Road | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | 4.00 | | | 0.30 | 5.52 | |
| 199.60 | 214.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 214.60 | 229.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 229.60 | 244.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 244.60 | 259.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 259.60 | 274.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| 274.60 | 289.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.30 | 18.00 | |
| | | | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | Compound Wall Front Side | | | | | | | | | |
| | | Footpath | Cum | 1 | 6.32 | 2.15 | | | 0.30 | 4.08 | |
| | | | Cum | 1 | 5.03 | 2.07 | | | 0.30 | 3.12 | |
| | | Deduction | | | | | | | | | |
| | | Manhole | Cum | -1 | 0.785 | | | | 0.30 | -0.24 | |
| | | | | | Area of Circle=(3.14*1*1)/4=0.785 | | | | | | |
| | | | | | | | | | | | |
| | | Building Front Side | Cum | 1 | 7.07 | 1.72 | | | 0.30 | 3.65 | |
| | | | Cum | 1 | 0.38 | 0.22 | | | 0.30 | 0.03 | |
| | | | Cum | 1 | 2.62 | 1.64 | | | 0.30 | 1.29 | |
| | | | | | | | | | **Total Executed Quantity** | **3082.03** | |
| | | | | | | | | | **Qty Carried to Summary** | **3082.03** | |

05/01/23

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTAN ASSISTANT EXECUTI

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CC Road | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | 4.00 | | | 0.15 | 2.76 | |
| 199.60 | 214.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 214.60 | 229.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 229.60 | 244.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 244.60 | 259.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 259.60 | 274.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| 274.60 | 289.60 | | Cum | 1 | 15.00 | 4.00 | | | 0.15 | 9.00 | |
| | | | | | | | | | **Total Executed Quantity** | **312.94** | |
| | | | | | | | | | **Qty Carried to Summary** | **312.94** | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other development works at [illegible] nd cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in [illegible] Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage | | Description of Item | Unit | No | Length | Breadth | |
|---|---|---|---|---|---|---|---|
| From | To | | | | (m) | B1 | B2 |
| | | CC Road | | | | | |
| | | 1st B Cross Road | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.00 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.00 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.00 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.00 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.00 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.00 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 4.00 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 4.00 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 4.00 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 4.00 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 4.00 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 4.00 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 4.00 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | 4.00 | |
| 199.60 | 214.60 | | Cum | 1 | 15.00 | 4.00 | |
| 214.60 | 229.60 | | Cum | 1 | 15.00 | 4.00 | |
| 229.60 | 244.60 | | Cum | 1 | 15.00 | 4.00 | |
| 244.60 | 259.60 | | Cum | 1 | 15.00 | 4.00 | |
| 259.60 | 274.60 | | Cum | 1 | 15.00 | 4.00 | |
| 274.60 | 289.60 | | Cum | 1 | 15.00 | 4.00 | |

| | | |
|---|---|---|
| 1.80 | | |
| 1.80 | | |
| 1.80 | | |
| 1.80 | | |
| 1.80 | | |
| 1.80 | | |
| 1.18 | | |
| | | |
| 0.15 | 2.04 | |
| 0.15 | 1.56 | |
| | | |
| 0.15 | -0.12 | |
| | | |

*1*1)/4=0.785

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Building Front Side | Cum | 1 | 7.07 | 1.72 | | | 0.15 | 1.82 | |
| | | | Cum | 1 | 0.38 | 0.22 | | | 0.15 | 0.01 | |
| | | | Cum | 1 | 2.62 | 1.64 | | | 0.15 | 0.64 | |
| | | **Deductions** | | | | | | | | | |
| | | HDPE Pipe chamber | Cum | -24 | 1.20 | 1.00 | | | 0.25 | -7.20 | |
| | | Hume Pipe chamber | Cum | -10 | 1.20 | 0.60 | | | 0.25 | -1.80 | |
| | | | | | | | | | **Total Executed Quantity** | **2623.66** | |
| | | | | | | | | | **Qty Carried to Summary** | **2623.66** | |

18/9/23

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 30 | | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite /trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 18/05/2024 | | | | | | | | | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 411.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | |
| | | **CC Road** | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 195.00 | 199.60 | | Cum | 1 | 4.60 | 4.00 | 4.00 | 4.00 | 0.15 | 2.76 | |
| 199.60 | 214.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 214.60 | 229.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 229.60 | 244.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 244.60 | 259.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 259.60 | 274.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| 274.60 | 289.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.15 | 9.00 | |
| | | | | | | | | | **Total Executed Quantity** | **584.76** | |
| | | | | | | | | | **Qty Carried to Summary** | **584.76** | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 38 | | Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 05/01/2023 , 06/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 122.17 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | |
| | | **For HDPE Pipe Chamber** | | | | | | | | | |
| | | RHS | Cum | 12 | 1.40 | 1.40 | | | 1.10 | 25.87 | |
| | | LHS | Cum | 12 | 1.40 | 1.40 | | | 1.10 | 25.87 | |
| | | **For Hume Pipe Chamber** | | | | | | | | | |
| | | LHS | Cum | 10 | 1.20 | 1.20 | | | 2.10 | 30.24 | |
| | | | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | |
| | | Sump | | | | | | | | | |
| | | | Cum | 1 | 2.6 | 2.60 | | | 2.45 | 16.56 | |
| | | | | | | | | | | | |
| | | **Road Beautification-Pedestals** | | | | | | | | | |
| | | | Cum | 31 | 4.20 | 1.80 | | | 3.25 | 761.67 | |
| | | | | | | | | | | | |
| | | **Food street-Debris** | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | | | 7.00 | 2.50 | 525.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | | | 7.00 | 2.50 | 525.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | | | 7.00 | 2.50 | 525.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | | | 7.00 | 2.50 | 525.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | | | 7.00 | 2.50 | 525.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | | | 7.00 | 2.50 | 525.00 | |
| 180.00 | 200.00 | | Cum | 1 | 20.00 | | | 7.00 | 2.50 | 350.00 | |
| | | | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | |
| | | below PB1 | | | | | | | | | |
| | | Below PB1 along grid C | Cum | 1 | 4.10 | 0.45 | | | 0.90 | 1.66 | |
| | | Below PB1 along grid D | Cum | 1 | 3.59 | 0.45 | | | 0.90 | 1.45 | |
| | | Below PB1 along grid E&F | Cum | 2 | 3.21 | 0.45 | | | 0.90 | 2.60 | |
| | | Below PB2 | | | | | | | | | |
| | | Below PB2 along grid 4&6 b/w E&F | Cum | 2 | 2.93 | 0.45 | | | 0.90 | 2.37 | |
| | | Below PB2 along grid 4-Left | Cum | 1 | 4.57 | 0.45 | | | 0.90 | 1.85 | |
| | | Below PB2 along grid 4-Right | Cum | 1 | 4.36 | 0.45 | | | 0.90 | 1.77 | |
| | | Compound wall -Below SSM | Cum | 1 | 14.20 | 0.60 | | | 0.75 | 1.28 | |
| | | | | | | | | | | | |
| | | **Deduction** | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | C1 | Cum | -2 | 2.00 | 0.20 | | | 0.75 | -0.60 | |
| | | | Cum | -2 | 0.50 | 0.45 | | | 0.75 | -0.34 | |
| | | C2 | Cum | -2 | 1.20 | 0.45 | | | 0.75 | -0.81 | |
| | | | Cum | -2 | 0.60 | 0.45 | | | 0.75 | -0.41 | |
| | | C1' | Cum | -2 | 1.60 | 0.45 | | | 0.75 | -1.08 | |
| | | | Cum | -2 | 0.53 | 0.45 | | | 0.75 | -0.35 | |
| | | C2' | Cum | -2 | 1.50 | 0.45 | | | 0.75 | -1.01 | |
| | | | Cum | -2 | 0.45 | 0.45 | | | 0.75 | -0.30 | |
| | | **Road Beautification- shops** | | | | | | | | | |
| | | **Unit 1 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 1.45 | 42.28 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 1.45 | 1.77 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 1.45 | 1.84 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | **Unit 2 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.90 | | | 1.45 | 25.58 | |
| | | Short wall-external | Cum | 2 | 1.34 | 0.90 | | | 1.45 | 3.50 | |
| | | Short wall-internal | Cum | 1 | 1.34 | 0.90 | | | 1.45 | 1.75 | |
| | | | Cum | 1 | 1.35 | 0.90 | | | 1.45 | 1.76 | |
| | | **Unit 3 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.90 | | | 1.45 | 25.58 | |
| | | Short wall-external | Cum | 2 | 1.36 | 0.90 | | | 1.45 | 3.55 | |
| | | Short wall-internal | Cum | 1 | 1.38 | 0.90 | | | 1.45 | 1.80 | |
| | | | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | **Unit 4 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 1.45 | 42.28 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 1.45 | 1.77 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 1.45 | 1.84 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | **Unit 5 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 1.45 | 42.28 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 1.45 | 1.77 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 1.45 | 1.84 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | **Unit 6 (5 shops)** | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

PRE MEASUREMENT SHEET

Fourth and Final Bill

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 1.45 | 42.28 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 1.45 | 1.77 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 1.45 | 1.84 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | Unit 7 (5 shops) | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 1.45 | 42.28 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 1.45 | 1.77 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 1.45 | 1.79 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 1.45 | 1.84 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 1.45 | 1.81 | |
| | | | | | | | | | Total Executed Quantity | 4821.26 | |
| | | | | | | | | | Qty Carried to Summary | 4821.26 | |

16/1/23

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 40 | | Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 07/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 26.62 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Road Beautification-shops** | | | | | | | | | |
| | | **Unit 1 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 0.10 | 2.92 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | **Unit 2 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.90 | | | 0.10 | 1.76 | |
| | | Short wall-external | Cum | 2 | 1.34 | 0.90 | | | 0.10 | 0.24 | |
| | | Short wall-internal | Cum | 1 | 1.34 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.35 | 0.90 | | | 0.10 | 0.12 | |
| | | **Unit 3 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.90 | | | 0.10 | 1.76 | |
| | | Short wall-external | Cum | 2 | 1.36 | 0.90 | | | 0.10 | 0.24 | |
| | | Short wall-internal | Cum | 1 | 1.38 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | **Unit 4 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 0.10 | 2.92 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | **Unit 5 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 0.10 | 2.92 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | **Unit 6 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 0.10 | 2.92 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Short wall-internal | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | **Unit 7 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.90 | | | 0.10 | 2.92 | |
| | | Short wall-external | Cum | 1 | 1.36 | 0.90 | | | 0.10 | 0.12 | |
| | | Short wall-external | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.37 | 0.90 | | | 0.10 | 0.12 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.41 | 0.90 | | | 0.10 | 0.13 | |
| | | | Cum | 1 | 1.39 | 0.90 | | | 0.10 | 0.13 | |
| | | **Senior citizen building** | | | | | | | | | |
| | | Sump-soling | | | | | | | | | |
| | | | Cum | 1 | 2.60 | 2.60 | | | 0.15 | 1.01 | |
| | | **Road beautification-pedestal soling** | | | | | | | | | |
| | | | Cum | 31 | 4.20 | 1.80 | | | 0.30 | 70.31 | |
| | | | | | | | | | **Total Executed Quantity** | **120.75** | |
| | | | | | | | | | **Qty Carried to Summary** | **120.75** | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

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**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 41 | | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. and directions of the Engineer in charge | | | | | | | | | |
| Measurements taken on | | 07/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 16.87 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | |
| | | **Sump** | | | | | | | | | |
| | | **Filling Available of Excavated Earth** | Cum | | | | | | | | |
| | | Earthwork excavation | Cum | | | | | | | 16.56 | |
| | | Filling in foundation with granite / trap broken metal | Cum | | | | | | | -1.01 | |
| | | PCC for Footing | Cum | | | | | | | -1.01 | |
| | | Sump qty | Cum | 1 | 2.40 | 2.40 | | | 2.00 | -11.52 | |
| | | **Road Beautification-pedestal** | | | | | | | | | |
| | | **Filling Available of Excavated Earth** | Cum | | | | | | | | |
| | | Earthwork excavation | Cum | | | | | | | 761.67 | |
| | | Filling in foundation with granite / trap broken metal | Cum | | | | | | | -70.31 | |
| | | PCC for Footing | Cum | | | | | | | -35.15 | |
| | | Footing concrete qty | Cum | | | | | | | -53.57 | |
| | | Pedestal concrete qty | Cum | | | | | | | -41.85 | |
| | | **Road Beautification-shops** | | | | | | | | | |
| | | **Filling Available of Excavated Earth** | Cum | | | | | | | 330.80 | |
| | | Earthwork excavation | Cum | | | | | | | -22.81 | |
| | | Filling in foundation with granite / trap broken metal | Cum | | | | | | | -34.22 | |
| | | PCC for Footing | Cum | | | | | | | -238.40 | |
| | | SSM qty | Cum | | | | | | | | |
| | | **HDPE pipe chamber** | | | | | | | | | |
| | | **Filling Available of Excavated Earth** | Cum | | | | | | | 51.74 | |
| | | Earthwork excavation | Cum | | | | | | | -7.06 | |
| | | PCC for chamber | Cum | | | | | | 980.40 | -9.31 | |
| | | Pipe volume(LHS&RHS) | Cum | 1 | 0.01 | Area of pipe=3.142*(0.11/2)^2=0.0095 | | | | | |
| | | Pipe volume(LHS) | Cum | 1 | 0.03 | Area of pipe=3.142*(0.20/2)^2=0.03142 | | | 290.60 | -9.12 | |

RUDRAPRASAD CONSULTANTS BANGALORE

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**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Hume pipe chamber** | | | | | | | | | |
| | | **Filling Available of Excavated Earth** | Cum | | | | | | | | |
| | | Earthwork excavation | Cum | | | | | | | 30.24 | |
| | | PCC for chamber | Cum | | | | | | | -2.16 | |
| | | Pipe volume | Cum | 1 | 0.07 | | | | 290.60 | -20.63 | |
| | | | | | Area of pipe=3.142*(0.3/2)^2=0.071 | | | | | | |
| | | | | | | | | | **Total Executed Quantity** | **649.74** | |
| | | | | | | | | | **Qty Carried to Summary** | **649.74** | |

7/11/23

RUDRAPRASAD CONSULTANTS BANGALORE

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**BRUHAT BANGALORE MAHANAGARA PALIKE**

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**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 42 | | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 18/01/2023, 19/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 83.38 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | |
| | | **SSM -below plinth** | | | | | | | | | |
| | | below PB1 | | | | | | | | | |
| | | Below PB1 along grid C | Cum | 1 | 4.10 | 0.45 | | | 0.75 | 1.38 | |
| | | Below PB1 along grid D | Cum | 1 | 3.59 | 0.45 | | | 0.75 | 1.21 | |
| | | Below PB1 along grid E&F | Cum | 2 | 3.21 | 0.45 | | | 0.75 | 2.17 | |
| | | Below PB2 | | | | | | | | | |
| | | Below PB2 along grid 4&6 b/w E&F | Cum | 2 | 2.93 | 0.45 | | | 0.75 | 1.97 | |
| | | Below PB2 along grid 4-Left | Cum | 1 | 4.57 | 0.45 | | | 0.75 | 1.54 | |
| | | Below PB2 along grid 4-Right | Cum | 1 | 4.36 | 0.45 | | | 0.75 | 1.47 | |
| | | Compound wall -SSM below GL | Cum | 1 | 14.20 | 0.45 | | | 0.60 | 3.83 | |
| | | **Deduction** | | | | | | | | | |
| | | Columns | Cum | -8 | 0.20 | 0.45 | | | 0.75 | -0.54 | |
| | | **Road Beautification-shops** | | | | | | | | | |
| | | **Unit 1 (5 shops)** | | | | | | | | | |
| | | **SSM below GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 1.20 | 29.16 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 1.20 | 1.49 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 1.20 | 1.54 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | **SSM above GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 0.20 | 4.86 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 0.20 | 0.26 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.25 | |
| | | **Unit 2 (3 shops)** | | | | | | | | | |
| | | **SSM below GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.75 | | | 1.20 | 17.64 | |
| | | Short wall-external | Cum | 2 | 1.64 | 0.75 | | | 1.20 | 2.95 | |
| | | Short wall-internal | Cum | 1 | 1.64 | 0.75 | | | 1.20 | 1.48 | |
| | | | Cum | 1 | 1.65 | 0.75 | | | 1.20 | 1.48 | |
| | | **SSM above GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.75 | | | 0.20 | 2.94 | |

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

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**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Short wall-external | Cum | 2 | 1.64 | 0.75 | | | 0.20 | 0.49 | |
| | | Short wall-internal | Cum | 1 | 1.64 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.65 | 0.75 | | | 0.20 | 0.25 | |
| | | **Unit 3 (3 shops)** | | | | | | | | | |
| | | **SSM below GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.75 | | | 1.20 | 17.64 | |
| | | Short wall-external | Cum | 2 | 1.66 | 0.75 | | | 1.20 | 2.99 | |
| | | Short wall-internal | Cum | 1 | 1.68 | 0.75 | | | 1.20 | 1.51 | |
| | | | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | **SSM above GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.75 | | | 0.20 | 2.94 | |
| | | Short wall-external | Cum | 2 | 1.66 | 0.75 | | | 0.20 | 0.50 | |
| | | Short wall-internal | Cum | 1 | 1.68 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | **Unit 4 (5 shops)** | | | | | | | | | |
| | | **SSM below GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 1.20 | 29.16 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 1.20 | 1.49 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 1.20 | 1.54 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | **SSM above GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 0.20 | 4.86 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.26 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | | | |
| | | **Unit 5 (5 shops)** | | | | | | | | | |
| | | **SSM below GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 1.20 | 29.16 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 1.20 | 1.49 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 1.20 | 1.54 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | **SSM above GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 0.20 | 4.86 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 0.20 | 0.26 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.25 | |
| | | **Unit 6 (5 shops)** | | | | | | | | | |
| | | **SSM below GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 1.20 | 29.16 | |

RUDRAPRASAD CONSULTANTS BANGALORE

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**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 1.20 | 1.49 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 1.20 | 1.54 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | **SSM above GL** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 0.20 | 4.86 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 0.20 | 0.26 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.25 | |
| | | **Unit 7 (5 shops)** | | | | | | | | | |
| | | SSM below GL | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 1.20 | 29.16 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 1.20 | 1.49 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 1.20 | 1.50 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 1.20 | 1.54 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 1.20 | 1.52 | |
| | | SSM above GL | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.75 | | | 0.20 | 4.86 | |
| | | Short wall-external | Cum | 1 | 1.66 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-external | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | Short wall-internal | Cum | 1 | 1.67 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | 0.20 | 0.26 | |
| | | | Cum | 1 | 1.71 | 0.75 | | | 0.20 | 0.25 | |
| | | | Cum | 1 | 1.69 | 0.75 | | | | | |
| | | | | | | | | | **Total Executed Quantity** | **374.55** | |
| | | | | | | | | | **Qty Carried to Summary** | **374.55** | |

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

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**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 43 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications, and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 07/02/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 3.86 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | **Sump** | | | | | | | | | |
| | | Bottom slab | Cum | 1 | 2.40 | 2.40 | | | 0.15 | 0.86 | |
| | | Side walls | Cum | 2 | 2.40 | 0.15 | | | 2.00 | 1.44 | |
| | | | Cum | 2 | 2.10 | 0.15 | | | 2.00 | 1.26 | |
| | | Cover slab | Cum | 1 | 2.40 | 2.40 | | | 0.15 | 0.86 | |
| | | **Deduction** | | | | | | | | | |
| | | sump Door | Cum | -1 | 0.60 | 0.60 | | | 0.15 | -0.05 | |
| | | | | | | | | | **Total Executed Quantity** | 8.23 | |
| | | | | | | | | | **Qty Carried to Summary** | 8.23 | |

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 44 | | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA) and directions of the Engineer in charge | | | | | | | | | |
| Measurements taken on | | 23/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 10.74 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | |
| | | **Plinth beam** | | | | | | | | | |
| | | PB1 | | | | | | | | | |
| | | Along Grid C b/w 2&5 | Cum | 1 | 4.35 | 0.20 | | | 0.30 | 0.26 | |
| | | Along Grid D b/w 3&6 | Cum | 1 | 3.84 | 0.20 | | | 0.30 | 0.23 | |
| | | Along Grid E&F b/w 4&7 | Cum | 2 | 3.21 | 0.20 | | | 0.30 | 0.39 | |
| | | PB2 | | | | | | | | | |
| | | Along Grid 4 b/w E&F | Cum | 1 | 2.50 | 0.20 | | | 0.30 | 0.15 | |
| | | Along Grid 6 b/w E&F | Cum | 1 | 2.50 | 0.20 | | | 0.30 | 0.15 | |
| | | Near Grid 4 b/w E&C | Cum | 1 | 3.51 | 0.20 | | | 0.30 | 0.21 | |
| | | Near Grid 6 b/w E&C | Cum | 1 | 3.17 | 0.20 | | | 0.30 | 0.19 | |
| | | **Road Beautification-shops** | | | | | | | | | |
| | | **Plinth beam** | | | | | | | | | |
| | | **Unit 1 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.40 | | | 0.15 | 1.94 | |
| | | Short wall | Cum | 6 | 2.38 | 0.40 | | | 0.15 | 0.86 | |
| | | **Unit 2 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.40 | | | 0.15 | 1.18 | |
| | | Short wall | Cum | 4 | 2.34 | 0.40 | | | 0.15 | 0.56 | |
| | | **Unit 3 (3 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 9.80 | 0.40 | | | 0.15 | 1.18 | |
| | | Short wall | Cum | 4 | 2.37 | 0.40 | | | 0.15 | 0.57 | |
| | | **Unit 4 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.40 | | | 0.15 | 1.94 | |
| | | Short wall | Cum | 6 | 2.38 | 0.40 | | | 0.15 | 0.86 | |
| | | **Unit 5(5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.40 | | | 0.15 | 1.94 | |
| | | Short wall | Cum | 6 | 2.38 | 0.40 | | | 0.15 | 0.86 | |
| | | **Unit 6 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.40 | | | 0.15 | 1.94 | |
| | | Short wall | Cum | 6 | 2.38 | 0.40 | | | 0.15 | 0.86 | |
| | | **Unit 7 (5 shops)** | | | | | | | | | |
| | | Long Wall | Cum | 2 | 16.20 | 0.40 | | | 0.15 | 1.94 | |
| | | Short wall | Cum | 6 | 2.38 | 0.40 | | | 0.15 | 0.86 | |
| | | **Road beautification-Pedestal upto GL** | | | | | | | | | |
| | | Footing concrete | Cum | 31 | 3.60 | 1.20 | | | 0.40 | 53.57 | |
| | | Pedestal concrete | Cum | 31 | 0.75 | 0.75 | | | 2.40 | 41.85 | |
| | | | | | | | | | **Total Executed Quantity** | **125.22** | |
| | | | | | | | | | **Qty Carried to Summary** | **125.22** | |

Cert. 23/1/23

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no.54 | | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 29/01/2023 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 1481.06 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Ground Floor | | | | | | | | | |
| | | Plinth Beam | kg | | From steel calculation sheet | | | | | 265.91 | |
| | | Column | kg | | From steel calculation sheet | | | | | 244.33 | |
| | | Lintel beam | kg | | From steel calculation sheet | | | | | 107.21 | |
| | | chejja | kg | | From steel calculation sheet | | | | | 31.60 | |
| | | Roof beam | kg | | From steel calculation sheet | | | | | 780.31 | |
| | | Roof slab | kg | | From steel calculation sheet | | | | | 644.42 | |
| | | Staircase | kg | | From steel calculation sheet | | | | | 249.89 | |
| | | Sump | kg | | From steel calculation sheet | | | | | 314.65 | |
| | | **Road Beautification-Pedestal** | | | | | | | | | |
| | | Footing and pedestal | kg | | From steel calculation sheet | | | | | 8764.00 | |
| | | HDPE and Hume pipe chamber | kg | | From steel calculation sheet | | | | | 4894.95 | |
| | | **Road Beautification -shops** | | | | | | | | | |
| | | Plinth Beam | kg | | From steel calculation sheet | | | | | 1960.59 | |
| | | Roof Beam | kg | | From steel calculation sheet | | | | | 3441.27 | |
| | | | | | | | | | **Total Executed Quantity** | **23180.18** | |
| | | | | | | | | | **Qty Carried to Summary** | **23180.18** | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

**Fourth and Final Bill**

## STEEL CALCULATION

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| Item No.54 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | | | | | | | | | | |
| Measurements taken on | 19/01/2023 , 20/01/2023 , 12/04/2024 | | | | | | | | | | |
| | **PLINTH BEAM** | | | | | | | | | | |
| | **Senior Citizen building** | | | | | | | | | | |
| | **PB1(200x300)** | 1 | | | | | | | | | |
| | PB1 Along Grid C B/W 2 & 5 | | | | | | | | | | |
| | top bars | | 12 | 2 | 2 | 5.36 | 0.00 | 5.36 | 10.72 | 0.89 | 9.52 |
| | bottom bars | | 16 | 2 | 2 | 4.76 | 0.00 | 4.76 | 9.52 | 1.58 | 15.03 |
| | 2L-#8mm @200c/cstirrups | | 8 | 25 | 25 | 1.00 | 0.00 | 1.00 | 24.80 | 0.39 | 9.79 |
| | **PB1(200x300)** | 1 | | | | | | | | | |
| | PB1 Along Grid D B/W 3 & 6 | | | | | | | | | | |
| | top bars | | 12 | 2 | 2 | 4.86 | 0.00 | 4.86 | 9.71 | 0.89 | 8.62 |
| | bottom bars | | 16 | 2 | 2 | 4.26 | 0.00 | 4.26 | 8.51 | 1.58 | 13.43 |
| | 2L-#8mm @200c/cstirrups | | 8 | 22 | 22 | 1.00 | 0.00 | 1.00 | 22.28 | 0.39 | 8.79 |
| | **PB1(200x300)** | 2 | | | | | | | | | |
| | PB1 Along Grid E & F B/W 4 & 7 | | | | | | | | | | |
| | top bars | | 12 | 2 | 4 | 4.71 | 0.00 | 4.71 | 18.84 | 0.89 | 16.73 |
| | bottom bars | | 16 | 2 | 4 | 4.11 | 0.00 | 4.11 | 16.44 | 1.58 | 25.95 |
| | 2L-#8mm @200c/cstirrups | | 8 | 22 | 43 | 1.00 | 0.00 | 1.00 | 43.10 | 0.39 | 17.01 |
| | **PB2(200x300)** | 2 | | | | | | | | | |
| | Along Grid 4 &6 b/w E&F | | | | | | | | | | |
| | top bars | | 12 | 2 | 4 | 3.50 | 0.00 | 3.50 | 14.00 | 0.89 | 12.43 |
| | bottom bars | | 20 | 2 | 4 | 2.90 | 0.00 | 2.90 | 11.60 | 2.47 | 28.61 |
| | 2L-#8mm @150c/cstirrups | | 8 | 20 | 41 | 1.00 | 0.00 | 1.00 | 40.67 | 0.39 | 16.05 |
| | **PB2(200x300)** | 1 | | | | | | | | | |
| | Near Grid 4 b/w E&C | | | | | | | | | | |
| | top bars | | 12 | 2 | 2 | 5.01 | 0.00 | 5.01 | 10.02 | 0.89 | 8.90 |
| | bottom bars | | 20 | 2 | 2 | 4.41 | 0.00 | 4.41 | 8.82 | 2.47 | 21.75 |
| | 2L-#8mm @150c/cstirrups | | 8 | 30 | 30 | 1.00 | 0.00 | 1.00 | 30.40 | 0.39 | 12.00 |
| | **PB2(200x300)** | 1 | | | | | | | | | |
| | Near Grid 6 b/w E&C | | | | | | | | | | |
| | top bars | | 12 | 2 | 2 | 4.87 | 0.00 | 4.87 | 9.74 | 0.89 | 8.65 |
| | bottom bars | | 20 | 2 | 2 | 4.27 | 0.00 | 4.27 | 8.54 | 2.47 | 21.06 |
| | 2L-#8mm @150c/cstirrups | | 8 | 29 | 29 | 1.00 | 0.00 | 1.00 | 29.47 | 0.39 | 11.63 |
| | | | | | | | | | | **Sub Total** | **265.91** |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

**Fourth and Final Bill**

## STEEL CALCULATION

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **Senior Citizen building** | | | | | | | | | | |
| | **Ground Floor Columns** | | | | | | | | | | |
| | C1 & C1' | 4 | | | | | | | | | |
| | 4/#16 | | 16 | 4 | 16 | 3.00 | 0.00 | 3.00 | 48.00 | 1.58 | 75.76 |
| | Rectangle Rings #8 @ 200 c/c | | 8 | 16 | 64 | 1.30 | 0.00 | 1.30 | 83.20 | 0.39 | 32.83 |
| | C2 & C2' | 4 | | | | | | | | | |
| | 4/#16 | | 16 | 4 | 16 | 3.00 | 0.00 | 3.00 | 48.00 | 1.58 | 75.76 |
| | Rectangle Rings #8 @ 200 | | 8 | 16 | 64 | 1.30 | 0.00 | 1.30 | 83.20 | 0.39 | 32.83 |
| | C3 | 1 | | | | | | | | | |
| | 4/#16 | | 16 | 4 | 4 | 3.00 | 0.00 | 3.00 | 12.00 | 1.58 | 18.94 |
| | Rectangle Rings #8 @ 200 c/c | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | | | | | | | | | | **Sub Total** | **244.33** |
| | **Senior citizen building** | | | | | | | | | | |
| | **GroundFloor-Lintel** | | | | | | | | | | |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid A b/w 1&4 | | 8 | 2 | 2 | 2.80 | 0.00 | 2.80 | 5.60 | 0.39 | 2.21 |
| | top bars | | 10 | 2 | 2 | 2.50 | 0.00 | 2.50 | 5.00 | 0.62 | 3.08 |
| | bottom bars | | 8 | 14 | 14 | 0.70 | 0.00 | 0.70 | 9.45 | 0.39 | 3.73 |
| | 2LGD 8# stirrups @ 200 C/C | | | | | | | | | | |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid B b/w 1&4 | | 8 | 2 | 2 | 3.10 | 0.00 | 3.10 | 6.20 | 0.39 | 2.45 |
| | top bars | | 10 | 2 | 2 | 2.80 | 0.00 | 2.80 | 5.60 | 0.62 | 3.45 |
| | bottom bars | | 8 | 15 | 15 | 0.70 | 0.00 | 0.70 | 10.50 | 0.39 | 4.14 |
| | 2LGD 8# stirrups @ 200 | | | | | | | | | | |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid E b/w 4&7 | | 8 | 2 | 2 | 4.41 | 0.00 | 4.41 | 8.82 | 0.39 | 3.48 |
| | top bars | | 10 | 2 | 2 | 4.11 | 0.00 | 4.11 | 8.22 | 0.62 | 5.07 |
| | bottom bars | | 8 | 22 | 22 | 0.70 | 0.00 | 0.70 | 15.09 | 0.39 | 5.95 |
| | 2LGD 8# stirrups @ 200 C/C | | | | | | | | | | |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid 4 b/w B,C,D,E | | 8 | 2 | 2 | 7.76 | 0.00 | 7.76 | 15.52 | 0.39 | 6.12 |
| | top bars | | 10 | 2 | 2 | 7.46 | 0.00 | 7.46 | 14.92 | 0.62 | 9.20 |
| | bottom bars | | 8 | 38 | 38 | 0.70 | 0.00 | 0.70 | 26.80 | 0.39 | 10.58 |
| | 2LGD 8# stirrups @ 200 C/C | | | | | | | | | | |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid 7 b/w B,C,D,E | | 8 | 2 | 2 | 7.44 | 0.00 | 7.44 | 14.88 | 0.39 | 5.87 |
| | top bars | | 10 | 2 | 2 | 7.14 | 0.00 | 7.14 | 14.28 | 0.62 | 8.80 |
| | bottom bars | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 37 | 37 | 0.70 | 0.00 | 0.70 | 25.69 | 0.39 | 10.14 |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid 1 b/w A&A' | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 3.52 | 0.00 | 3.52 | 7.04 | 0.39 | 2.78 |
| | bottom bars | | 10 | 2 | 2 | 3.22 | 0.00 | 3.22 | 6.44 | 0.62 | 3.97 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 17 | 17 | 0.70 | 0.00 | 0.70 | 11.97 | 0.39 | 4.72 |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | LB b/w room and toilet | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 3.52 | 0.00 | 3.52 | 7.04 | 0.39 | 2.78 |
| | bottom bars | | 10 | 2 | 2 | 3.22 | 0.00 | 3.22 | 6.44 | 0.62 | 3.97 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 17 | 17 | 0.70 | 0.00 | 0.70 | 11.97 | 0.39 | 4.72 |
| | | | | | | | | | | **Sub Total** | **107.21** |
| | **Chajja** | | | | | | | | | | |
| | **Ground Floor** | | | | | | | | | | |
| | **Window W1** | 1 | | | | | | | | | |
| | Main bars 8# @130 c/c at top | | 8 | 15 | 15 | 0.95 | 0.00 | 0.95 | 14.10 | 0.39 | 5.57 |
| | Distribution bars 8# @250 C/C | | 8 | 5 | 5 | 1.80 | 0.00 | 1.80 | 8.64 | 0.39 | 3.41 |
| | **Window W** | 3 | | | | | | | | | |
| | Main bars 8# @130 c/c at top | | 8 | 13 | 38 | 0.95 | 0.00 | 0.95 | 35.73 | 0.39 | 14.10 |
| | Distribution bars 8# @250 C/C | | 8 | 5 | 14 | 1.50 | 0.00 | 1.50 | 21.60 | 0.39 | 8.52 |
| | | | | | | | | | | **Sub Total** | **31.60** |
| | **Ground floor-Roof Beam** | | | | | | | | | | |
| | **B1 (200X300)** | 1 | | | | | | | | | |
| | Along Grid A between 1 & 4 | | | | | | | | | | |
| | top bars | | 12 | 2 | 2 | 3.10 | 0.00 | 3.10 | 6.20 | 0.89 | 5.50 |
| | bottom bars | | 16 | 2 | 2 | 2.50 | 0.00 | 2.50 | 5.00 | 1.58 | 7.89 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 18 | 18 | 1.00 | 0.00 | 1.00 | 17.67 | 0.39 | 6.97 |
| | **B2 (200X300)** | 2 | | | | | | | | | |
| | Along Grid E, F between 4 & 7 | | | | | | | | | | |
| | top bars | | 16 | 2 | 4 | 4.71 | 0.00 | 4.71 | 18.84 | 1.58 | 29.74 |
| | bottom bars | | 20 | 2 | 4 | 4.11 | 0.00 | 4.11 | 16.44 | 2.47 | 40.54 |
| | 2LGD 8# stirrups @ 100 C/C | | 8 | 42 | 84 | 1.00 | 0.00 | 1.00 | 84.20 | 0.39 | 33.22 |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **B3 (200X300)** | 1 | | | | | | | | | |
| | Along Grid 7 between E, F | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 3.50 | 0.00 | 3.50 | 7.00 | 1.58 | 11.05 |
| | bottom bars | | 25 | 2 | 2 | 2.90 | 0.00 | 2.90 | 5.80 | 3.85 | 22.35 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 20 | 20 | 1.00 | 0.00 | 1.00 | 20.33 | 0.39 | 8.02 |
| | **B4 (200X450)** | 1 | | | | | | | | | |
| | Along Grid 4 Between Grid B, C, D & E | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 8.35 | 0.00 | 8.35 | 16.70 | 1.58 | 26.36 |
| | top extra bars | | 20 | 1 | 1 | 5.00 | 0.00 | 5.00 | 5.00 | 2.47 | 12.32 |
| | bottom bars | | 25 | 2 | 2 | 7.45 | 0.00 | 7.45 | 14.90 | 3.85 | 57.42 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 51 | 51 | 1.30 | 0.00 | 1.30 | 65.87 | 0.39 | 25.99 |
| | **B4 (200X450)** | 1 | | | | | | | | | |
| | Along Grid 7 Between Grid B, C, D & E | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 8.04 | 0.00 | 8.04 | 16.08 | 1.58 | 25.38 |
| | top extra bars | | 20 | 1 | 1 | 5.00 | 0.00 | 5.00 | 5.00 | 2.47 | 12.32 |
| | bottom bars | | 25 | 2 | 2 | 7.14 | 0.00 | 7.14 | 14.28 | 3.85 | 55.03 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 49 | 49 | 1.30 | 0.00 | 1.30 | 63.18 | 0.39 | 24.93 |
| | **B5 (200X300)** | 1 | | | | | | | | | |
| | Along Grid 1 between A- A' | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 3.82 | 0.00 | 3.82 | 7.64 | 1.58 | 12.06 |
| | bottom bars | | 20 | 2 | 2 | 3.22 | 0.00 | 3.22 | 6.44 | 2.47 | 15.90 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 22 | 22 | 1.00 | 0.00 | 1.00 | 22.47 | 0.39 | 8.86 |
| | **B6 (200X450)** | 1 | | | | | | | | | |
| | Along Grid B between 1 & 4 | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 3.70 | 0.00 | 3.70 | 7.40 | 1.58 | 11.68 |
| | bottom bars | | 16 | 2 | 2 | 2.80 | 0.00 | 2.80 | 5.60 | 1.58 | 8.84 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 20 | 20 | 1.30 | 0.00 | 1.30 | 25.57 | 0.39 | 10.09 |
| | **CB (450X150)** | 1 | | | | | | | | | |
| | Along Grid C between 2 & 5 | | | | | | | | | | |
| | top bars | | 20 | 4 | 4 | 5.05 | 0.00 | 5.05 | 20.20 | 2.47 | 49.82 |
| | bottom bars | | 20 | 6 | 6 | 4.75 | 0.00 | 4.75 | 28.50 | 2.47 | 70.29 |
| | 2LGD 8# stirrups @ 100 C/C | | 8 | 49 | 49 | 1.20 | 0.00 | 1.20 | 58.20 | 0.39 | 22.96 |
| | **CB (450X150)** | 1 | | | | | | | | | |
| | Along Grid D between 2 & 6 | | | | | | | | | | |
| | top bars | | 20 | 4 | 4 | 4.54 | 0.00 | 4.54 | 18.16 | 2.47 | 44.79 |
| | bottom bars | | 20 | 6 | 6 | 4.24 | 0.00 | 4.24 | 25.44 | 2.47 | 62.74 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | 2LGD 8# stirrups @ 100 C/C | | 8 | 43 | 43 | 1.20 | 0.00 | 1.20 | 52.08 | 0.39 | 20.55 |
| | **SB (200X450)** | 1 | | | | | | | | | |
| | Along Grid 4 between E & F | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 3.80 | 0.00 | 3.80 | 7.60 | 1.58 | 12.00 |
| | bottom bars | | 20 | 2 | 2 | 2.90 | 0.00 | 2.90 | 5.80 | 2.47 | 14.30 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 20 | 20 | 1.30 | 0.00 | 1.30 | 26.43 | 0.39 | 10.43 |
| | | | | | | | | | | **Sub Total** | **780.31** |
| | **Senior Citizen building** | | | | | | | | | | |
| | **GroundFloor-Roof Slab** | | | | | | | | | | |
| | **Slab between A-A', and grid 1-4** | 1 | | | | | | | | | |
| | 12# @100 c/c main bars alt | 1 | 12 | 14 | 14 | 3.22 | 0.00 | 3.22 | 43.47 | 0.89 | 38.59 |
| | 12# @100 c/c crank bars alt | 1 | 12 | 14 | 14 | 3.22 | 1.01 | 4.23 | 57.08 | 0.89 | 50.67 |
| | 10# @250 c/c Distrubution | 1 | 10 | 14 | 14 | 2.50 | 0.00 | 2.50 | 34.70 | 0.62 | 21.39 |
| | **Slab between Grid B-B' and Grid 1-4** | 1 | | | | | | | | | |
| | 12# @100 c/c main bars alt | 1 | 12 | 15 | 15 | 2.60 | 0.00 | 2.60 | 39.00 | 0.89 | 34.62 |
| | 12# @100 c/c crank bars alt | 1 | 12 | 15 | 15 | 2.60 | 1.01 | 3.61 | 54.12 | 0.89 | 48.05 |
| | 10# @250 c/c Distrubution | 1 | 10 | 11 | 11 | 2.80 | 0.00 | 2.80 | 31.92 | 0.62 | 19.6 |
| | **Slab between Grid B-C and grid 2-6** | 1 | | | | | | | | | |
| | 12# @100 c/c main bars alt | 1 | 12 | 16 | 16 | 5.09 | 0.00 | 5.09 | 81.19 | 0.89 | 72.08 |
| | 12# @100 c/c crank bars alt | 1 | 12 | 16 | 16 | 5.09 | 1.01 | 6.10 | 97.26 | 0.89 | 86.35 |
| | 10# @250 c/c Distrubution | 1 | 10 | 21 | 21 | 2.99 | 0.00 | 2.99 | 63.87 | 0.62 | 39.38 |
| | **Slab between Grid C-D and grid 3-6** | 1 | | | | | | | | | |
| | 12# @100 c/c main bars alt | 1 | 12 | 13 | 13 | 4.49 | 0.00 | 4.49 | 56.13 | 0.89 | 49.83 |
| | 12# @100 c/c crank bars alt | 1 | 12 | 13 | 13 | 4.49 | 1.01 | 5.50 | 68.73 | 0.89 | 61.02 |
| | 10# @250 c/c Distrubution | 1 | 10 | 19 | 19 | 2.30 | 0.00 | 2.30 | 43.61 | 0.62 | 26.89 |
| | **Slab between Grid D-E and grid 4-7** | 1 | | | | | | | | | |
| | 12# @100 c/c main bars alt | 1 | 12 | 10 | 10 | 4.05 | 0.00 | 4.05 | 38.88 | 0.89 | 34.52 |
| | 12# @100 c/c crank bars alt | 1 | 12 | 10 | 10 | 4.05 | 1.01 | 5.06 | 48.56 | 0.89 | 43.11 |
| | 10# @250 c/c Distrubution | 1 | 10 | 17 | 17 | 1.72 | 0.00 | 1.72 | 29.58 | 0.62 | 18.24 |
| | | | | | | | | | | **Sub Total** | **644.42** |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **STAIRCASE** | | | | | | | | | | |
| | **Senior Citizen building** | | | | | | | | | | |
| | **1st flight** | 1 | | | | | | | | | |
| | 12# @100c/c main | | 12 | 13 | 13 | 5.58 | 0.00 | 5.58 | 72.49 | 0.89 | 64.36 |
| | 10# @250c/c distribution | | 10 | 23 | 23 | 1.20 | 0.00 | 1.20 | 27.96 | 0.62 | 17.24 |
| | 12# @100c/c main | | 12 | 13 | 13 | 2.64 | 0.00 | 2.64 | 34.32 | 0.89 | 30.47 |
| | 10# @250c/c distribution | | 10 | 12 | 12 | 1.20 | 0.00 | 1.20 | 13.87 | 0.62 | 8.55 |
| | **2nd flight** | 1 | | | | | | | | | |
| | 12# @100c/c main | | 12 | 13 | 13 | 5.35 | 0.00 | 5.35 | 69.50 | 0.89 | 61.70 |
| | 10# @250c/c distribution | | 10 | 22 | 22 | 1.20 | 0.00 | 1.20 | 26.86 | 0.62 | 16.56 |
| | 12# @100c/c main | | 12 | 13 | 13 | 2.45 | 0.00 | 2.45 | 31.80 | 0.89 | 28.23 |
| | 10# @250c/c distribution | | 10 | 11 | 11 | 1.20 | 0.00 | 1.20 | 12.94 | 0.62 | 7.98 |
| | **Front of Staircase** | 1 | | | | | | | | | |
| | 12# @150c/c main | | 12 | 20 | 20 | 0.82 | 0.00 | 0.82 | 16.67 | 0.89 | 14.80 |
| | | | | | | | | | | **Sub Total** | **249.89** |
| | **Senior Citizen Building** | | | | | | | | | | |
| | **Sump** | | | | | | | | | | |
| | **Bottom Slab** | 1 | | | | | | | | | |
| | 10# @130c/c on outer Face main | | 10 | 19.46 | 19.46 | 2.40 | 0.00 | 2.40 | 46.71 | 0.62 | 28.80 |
| | 10# @130c/c distribution | | 10 | 19.46 | 19.46 | 2.40 | 0.00 | 2.40 | 46.71 | 0.62 | 28.80 |
| | **Side Wall** | 4 | | | | | | | | | |
| | 10# @130c/c on outer Face main | | 10 | 19.46 | 77.85 | 2.60 | 0.00 | 2.60 | 202.40 | 0.62 | 124.79 |
| | 8# @200c/c distribution | | 10 | 14.00 | 56.00 | 2.40 | 0.00 | 2.40 | 134.40 | 0.62 | 82.86 |
| | **Cover Slab** | 1 | | | | | | | | | |
| | 8# @140c/c on outer Face main | | 8 | 18.14 | 18.14 | 2.40 | 0.67 | 3.07 | 55.73 | 0.39 | 21.99 |
| | 8# @140c/c distribution | | 8 | 18.14 | 18.14 | 2.40 | 0.67 | 3.07 | 55.73 | 0.39 | 21.99 |
| | **Diagonal Bars** | 1 | 10 | 4.00 | 4.00 | 2.20 | 0.00 | 2.20 | 8.80 | 0.62 | 5.43 |
| | | | | | | | | | | **Sub Total** | **314.65** |
| | **Road beautification-Pedestal** | | | | | | | | | | |
| | **Isolated Footings** | | | | | | | | | | |
| | | 31 | | | | | | | | | |
| | Bars Along Long Direction | | 25 | 9 | 279 | 3.60 | 0.00 | 3.60 | 1004.40 | 3.85 | 3870.31 |
| | Bars Along Short Direction | | 25 | 9 | 279 | 1.20 | 0.00 | 1.20 | 334.80 | 3.85 | 1290.10 |
| | **Pedestal** | | | | | | | | | | |
| | Upto Ground Level | 31 | | | | | | | | | |
| | | | 16 | 20 | 620 | 3.12 | 0.00 | 3.12 | 1934.40 | 1.58 | 3053.13 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 15 | 465 | 3.00 | 0.00 | 3.00 | 1395.00 | 0.39 | 550.44 |
| | | | | | | | | | | **Sub Total** | **8764.00** |
| | **HDPE Pipe chamber-RHS &LHS** | | | | | | | | | | |
| | **Bottom Slab** | 24 | | | | | | | | | |
| | 12# @200c/c main | 1 | 12 | 7 | 168 | 1.20 | 0.00 | 1.20 | 201.60 | 0.89 | 178.98 |
| | 10# @200c/c distribution | 1 | 10 | 7 | 168 | 1.20 | 0.00 | 1.20 | 201.60 | 0.62 | 124.29 |

RUDRAPRASAD CONSULTANTS BANGALORE

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## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **STAIRCASE** | | | | | | | | | | |
| | **Senior Citizen building** | | | | | | | | | | |
| | **1st flight** | 1 | | | | | | | | | |
| | 12# @100c/c main | | 12 | 13 | 13 | 5.58 | 0.00 | 5.58 | 72.49 | 0.89 | 64.36 |
| | 10# @250c/c distribution | | 10 | 23 | 23 | 1.20 | 0.00 | 1.20 | 27.96 | 0.62 | 17.24 |
| | 12# @100c/c main | | 12 | 13 | 13 | 2.64 | 0.00 | 2.64 | 34.32 | 0.89 | 30.47 |
| | 10# @250c/c distribution | | 10 | 12 | 12 | 1.20 | 0.00 | 1.20 | 13.87 | 0.62 | 8.55 |
| | **2nd flight** | 1 | | | | | | | | | |
| | 12# @100c/c main | | 12 | 13 | 13 | 5.35 | 0.00 | 5.35 | 69.50 | 0.89 | 61.70 |
| | 10# @250c/c distribution | | 10 | 22 | 22 | 1.20 | 0.00 | 1.20 | 26.86 | 0.62 | 16.56 |
| | 12# @100c/c main | | 12 | 13 | 13 | 2.45 | 0.00 | 2.45 | 31.80 | 0.89 | 28.23 |
| | 10# @250c/c distribution | | 10 | 11 | 11 | 1.20 | 0.00 | 1.20 | 12.94 | 0.62 | 7.98 |
| | **Front of Staircase** | 1 | | | | | | | | | |
| | 12# @150c/c main | | 12 | 20 | 20 | 0.82 | 0.00 | 0.82 | 16.67 | 0.89 | 14.80 |
| | | | | | | | | | | **Sub Total** | **249.89** |
| | **Senior Citizen Building** | | | | | | | | | | |
| | **Sump** | | | | | | | | | | |
| | **Bottom Slab** | 1 | | | | | | | | | |
| | 10# @130c/c on outer Face main | | 10 | 19.46 | 19.46 | 2.40 | 0.00 | 2.40 | 46.71 | 0.62 | 28.80 |
| | 10# @130c/c distribution | | 10 | 19.46 | 19.46 | 2.40 | 0.00 | 2.40 | 46.71 | 0.62 | 28.80 |
| | **Side Wall** | 4 | | | | | | | | | |
| | 10# @130c/c on outer Face main | | 10 | 19.46 | 77.85 | 2.60 | 0.00 | 2.60 | 202.40 | 0.62 | 124.79 |
| | 8# @200c/c distribution | | 10 | 14.00 | 56.00 | 2.40 | 0.00 | 2.40 | 134.40 | 0.62 | 82.86 |
| | **Cover Slab** | 1 | | | | | | | | | |
| | 8# @140c/c on outer Face main | | 8 | 18.14 | 18.14 | 2.40 | 0.67 | 3.07 | 55.73 | 0.39 | 21.99 |
| | 8# @140c/c distribution | | 8 | 18.14 | 18.14 | 2.40 | 0.67 | 3.07 | 55.73 | 0.39 | 21.99 |
| | **Diagonal Bars** | 1 | 10 | 4.00 | 4.00 | 2.20 | 0.00 | 2.20 | 8.80 | 0.62 | 5.45 |
| | | | | | | | | | | **Sub Total** | **314.65** |
| | **Road beautification-Pedestal** | | | | | | | | | | |
| | **Isolated Footings** | | | | | | | | | | |
| | | 31 | | | | | | | | | |
| | Bars Along Long Direction | | 25 | 9 | 279 | 3.60 | 0.00 | 3.60 | 1004.40 | 3.85 | 3870.31 |
| | Bars Along Short Direction | | 25 | 9 | 279 | 1.20 | 0.00 | 1.20 | 334.80 | 3.85 | 1290.10 |
| | **Pedestal** | | | | | | | | | | |
| | Upto Ground Level | 31 | | | | | | | | | |
| | | | 16 | 20 | 620 | 3.12 | 0.00 | 3.12 | 1934.40 | 1.58 | 3053.13 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 15 | 465 | 3.00 | 0.00 | 3.00 | 1395.00 | 0.39 | 550.44 |
| | | | | | | | | | | **Sub Total** | **8764.00** |
| | **HDPE Pipe chamber-RHS &LHS** | | | | | | | | | | |
| | **Bottom Slab** | 24 | | | | | | | | | |
| | 12# @200c/c main | 1 | 12 | 7 | 168 | 1.20 | 0.00 | 1.20 | 201.60 | 0.89 | 178.98 |
| | 10# @200c/c distribution | 1 | 10 | 7 | 168 | 1.20 | 0.00 | 1.20 | 201.60 | 0.62 | 124.29 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **Side Wall** | 4 | | | | | | | | | |
| | 12# @200c/c main | 2 | 12 | 7 | 1344 | 1.22 | 0.00 | 1.22 | 1639.68 | 0.89 | 1455.73 |
| | 100# @200c/c distribution | 2 | 10 | 8 | 1536 | 1.20 | 0.00 | 1.20 | 1843.20 | 0.62 | 1136.40 |
| | **Hume Pipe chamber** | | | | | | | | | | |
| | **Bottom Slab** | 10 | | | | | | | | | |
| | 12# @200c/c main | 1 | 12 | 7 | 70 | 1.20 | 0.00 | 1.20 | 84.00 | 0.89 | 74.58 |
| | 10# @200c/c distribution | 1 | 10 | 7 | 70 | 1.20 | 0.00 | 1.20 | 84.00 | 0.62 | 51.79 |
| | **Side Wall** | 4 | | | | | | | | | |
| | 12# @200c/c main | 2 | 12 | 7 | 560 | 2.22 | 0.00 | 2.22 | 1243.20 | 0.89 | 1103.73 |
| | 100# @200c/c distribution | 2 | 10 | 13 | 1040 | 1.20 | 0.00 | 1.20 | 1248.00 | 0.62 | 769.44 |
| | | | | | | | | | | **Sub Total** | **4894.95** |
| | **Road beautification shops-Plinth Beam** | | | | | | | | | | |
| | **Unit 1-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 16.68 | 0.00 | 16.68 | 100.08 | 0.62 | 61.70 |
| | Bottom bars | | 10 | 3 | 6 | 16.38 | 0.00 | 16.38 | 98.28 | 0.62 | 60.59 |
| | 2Lgd #8 @ 200C/C | | 8 | 83 | 166 | 1.10 | 0.00 | 1.10 | 182.60 | 0.39 | 72.05 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 6 | | | | | | | | | |
| | Top bars | | 10 | 3 | 18 | 3.50 | 0.00 | 3.50 | 63.00 | 0.62 | 38.84 |
| | Bottom bars | | 10 | 3 | 18 | 3.20 | 0.00 | 3.20 | 57.60 | 0.62 | 35.51 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.20 |
| | | | | | | | | | | | |
| | **Unit 2-3shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 10.22 | 0.00 | 10.22 | 61.32 | 0.62 | 37.81 |
| | Bottom bars | | 10 | 3 | 6 | 9.92 | 0.00 | 9.92 | 59.52 | 0.62 | 36.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 51 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.27 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 4 | | | | | | | | | |
| | Top bars | | 10 | 3 | 12 | 3.50 | 0.00 | 3.50 | 42.00 | 0.62 | 25.89 |
| | Bottom bars | | 10 | 3 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 0.62 | 23.68 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 68 | 1.10 | 0.00 | 1.10 | 74.80 | 0.39 | 29.51 |
| | | | | | | | | | | | |
| | **Unit 3-3shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 10.22 | 0.00 | 10.22 | 61.32 | 0.62 | 37.81 |
| | Bottom bars | | 10 | 3 | 6 | 9.92 | 0.00 | 9.92 | 59.52 | 0.62 | 36.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 51 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.27 |
| | | | | | | | | | | | |

JUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

**Fourth and Final Bill**

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 4 | | | | | | | | | |
| | Top bars | | 10 | 3 | 12 | 3.50 | 0.00 | 3.50 | 42.00 | 0.62 | 25.89 |
| | Bottom bars | | 10 | 3 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 0.62 | 23.68 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 68 | 1.10 | 0.00 | 1.10 | 74.80 | 0.39 | 29.51 |
| | | | | | | | | | | | |
| | **Unit 4-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 16.68 | 0.00 | 16.68 | 100.08 | 0.62 | 61.70 |
| | Bottom bars | | 10 | 3 | 6 | 16.38 | 0.00 | 16.38 | 98.28 | 0.62 | 60.59 |
| | 2Lgd #8 @ 200C/C | | 8 | 83 | 166 | 1.10 | 0.00 | 1.10 | 182.60 | 0.39 | 72.05 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 6 | | | | | | | | | |
| | Top bars | | 10 | 3 | 18 | 3.50 | 0.00 | 3.50 | 63.00 | 0.62 | 38.84 |
| | Bottom bars | | 10 | 3 | 18 | 3.20 | 0.00 | 3.20 | 57.60 | 0.62 | 35.51 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.27 |
| | | | | | | | | | | | |
| | **Unit 5-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 16.68 | 0.00 | 16.68 | 100.08 | 0.62 | 61.70 |
| | Bottom bars | | 10 | 3 | 6 | 16.38 | 0.00 | 16.38 | 98.28 | 0.62 | 60.59 |
| | 2Lgd #8 @ 200C/C | | 8 | 83 | 166 | 1.10 | 0.00 | 1.10 | 182.60 | 0.39 | 72.05 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 6 | | | | | | | | | |
| | Top bars | | 10 | 3 | 18 | 3.50 | 0.00 | 3.50 | 63.00 | 0.62 | 38.84 |
| | Bottom bars | | 10 | 3 | 18 | 3.20 | 0.00 | 3.20 | 57.60 | 0.62 | 35.51 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.27 |
| | | | | | | | | | | | |
| | **Unit 6-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 16.68 | 0.00 | 16.68 | 100.08 | 0.62 | 61.70 |
| | Bottom bars | | 10 | 3 | 6 | 16.38 | 0.00 | 16.38 | 98.28 | 0.62 | 60.59 |
| | 2Lgd #8 @ 200C/C | | 8 | 83 | 166 | 1.10 | 0.00 | 1.10 | 182.60 | 0.39 | 72.05 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 6 | | | | | | | | | |
| | Top bars | | 10 | 3 | 18 | 3.50 | 0.00 | 3.50 | 63.00 | 0.62 | 38.84 |
| | Bottom bars | | 10 | 3 | 18 | 3.20 | 0.00 | 3.20 | 57.60 | 0.62 | 35.51 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.27 |
| | | | | | | | | | | | |
| | **Unit 7-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | PB Beam (400x150) | 2 | | | | | | | | | |
| | Top bars | | 10 | 3 | 6 | 16.68 | 0.00 | 16.68 | 100.08 | 0.62 | 61.70 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | Bottom bars | | 10 | 3 | 6 | 16.38 | 0.00 | 16.38 | 98.28 | 0.62 | 60.59 |
| | 2Lgd #8 @ 200C/C | | 8 | 83 | 166 | 1.10 | 0.00 | 1.10 | 182.60 | 0.39 | 72.05 |
| | Shorter side | | | | | | | | | | |
| | PB Beam (400x150) | 6 | | | | | | | | | |
| | Top bars | | 10 | 3 | 18 | 3.50 | 0.00 | 3.50 | 63.00 | 0.62 | 38.84 |
| | Bottom bars | | 10 | 3 | 18 | 3.20 | 0.00 | 3.20 | 57.60 | 0.62 | 35.51 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 1.10 | 0.00 | 1.10 | 112.20 | 0.39 | 44.27 |
| | | | | | | | | | | Sub Total | 1960.59 |
| | **Road beautification shops-Roof beam** | | | | | | | | | | |
| | **Unit 1-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 16.84 | 0.00 | 16.84 | 67.36 | 1.58 | 106.32 |
| | Bottom bars | | 20 | 2 | 4 | 16.38 | 0.00 | 16.38 | 65.52 | 2.47 | 161.58 |
| | 2Lgd #8 @ 150C/C | | 8 | 111 | 222 | 0.92 | 0.00 | 0.92 | 204.24 | 0.39 | 80.59 |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 6 | | | | | | | | | |
| | Top bars | | 16 | 2 | 12 | 3.66 | 0.00 | 3.66 | 43.92 | 1.58 | 69.32 |
| | Bottom bars | | 20 | 2 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 2.47 | 94.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 0.92 | 0.00 | 0.92 | 93.84 | 0.39 | 37.03 |
| | **Unit 2-3shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 10.38 | 0.00 | 10.38 | 41.52 | 1.58 | 65.53 |
| | Bottom bars | | 20 | 2 | 4 | 9.92 | 0.00 | 9.92 | 39.68 | 2.47 | [illegible] |
| | 2Lgd #8 @ 150C/C | | 8 | 68 | 136 | 0.92 | 0.00 | 0.92 | 125.12 | 0.39 | 49.37 |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 4 | | | | | | | | | |
| | Top bars | | 16 | 2 | 8 | 3.66 | 0.00 | 3.66 | 29.28 | 1.58 | 46.21 |
| | Bottom bars | | 20 | 2 | 8 | 3.20 | 0.00 | 3.20 | 25.60 | 2.47 | 63.13 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 68 | 0.92 | 0.00 | 0.92 | 62.56 | 0.39 | 24.69 |
| | **Unit 3-3shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 10.38 | 0.00 | 10.38 | 41.52 | 1.58 | 65.53 |
| | Bottom bars | | 20 | 2 | 4 | 9.92 | 0.00 | 9.92 | 39.68 | 2.47 | 97.86 |
| | 2Lgd #8 @ 150C/C | | 8 | 68 | 136 | 0.92 | 0.00 | 0.92 | 125.12 | 0.39 | 49.37 |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 4 | | | | | | | | | |
| | Top bars | | 16 | 2 | 8 | 3.66 | 0.00 | 3.66 | 29.28 | 1.58 | 46.21 |
| | Bottom bars | | 20 | 2 | 8 | 3.20 | 0.00 | 3.20 | 25.60 | 2.47 | 63.13 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 68 | 0.92 | 0.00 | 0.92 | 62.56 | 0.39 | 24.69 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **Unit 4-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 16.84 | 0.00 | 16.84 | 67.36 | 1.58 | 106.32 |
| | Bottom bars | | 20 | 2 | 4 | 16.38 | 0.00 | 16.38 | 65.52 | 2.47 | 161.58 |
| | 2Lgd #8 @ 150C/C | | 8 | 111 | 222 | 0.92 | 0.00 | 0.92 | 204.24 | 0.39 | 80.59 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 6 | | | | | | | | | |
| | Top bars | | 16 | 2 | 12 | 3.66 | 0.00 | 3.66 | 43.92 | 1.58 | 69.32 |
| | Bottom bars | | 20 | 2 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 2.47 | 94.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 0.92 | 0.00 | 0.92 | 93.84 | 0.39 | 37.03 |
| | | | | | | | | | | | |
| | **Unit 5-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 16.84 | 0.00 | 16.84 | 67.36 | 1.58 | 106.32 |
| | Bottom bars | | 20 | 2 | 4 | 16.38 | 0.00 | 16.38 | 65.52 | 2.47 | 161.58 |
| | 2Lgd #8 @ 150C/C | | 8 | 111 | 222 | 0.92 | 0.00 | 0.92 | 204.24 | 0.39 | 80.59 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 6 | | | | | | | | | |
| | Top bars | | 16 | 2 | 12 | 3.66 | 0.00 | 3.66 | 43.92 | 1.58 | 69.32 |
| | Bottom bars | | 20 | 2 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 2.47 | 94.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 0.92 | 0.00 | 0.92 | 93.84 | 0.39 | 37.03 |
| | | | | | | | | | | | |
| | **Unit 6-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 16.84 | 0.00 | 16.84 | 67.36 | 1.58 | 106.32 |
| | Bottom bars | | 20 | 2 | 4 | 16.38 | 0.00 | 16.38 | 65.52 | 2.47 | 161.58 |
| | 2Lgd #8 @ 150C/C | | 8 | 111 | 222 | 0.92 | 0.00 | 0.92 | 204.24 | 0.39 | 80.59 |
| | | | | | | | | | | | |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 6 | | | | | | | | | |
| | Top bars | | 16 | 2 | 12 | 3.66 | 0.00 | 3.66 | 43.92 | 1.58 | 69.32 |
| | Bottom bars | | 20 | 2 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 2.47 | 94.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 0.92 | 0.00 | 0.92 | 93.84 | 0.39 | 37.03 |
| | | | | | | | | | | | |
| | **Unit 7-5shops unit** | | | | | | | | | | |
| | Longer side | | | | | | | | | | |
| | Roof Beam (230x230) | 2 | | | | | | | | | |
| | Top bars | | 16 | 2 | 4 | 16.84 | 0.00 | 16.84 | 67.36 | 1.58 | 106.32 |
| | Bottom bars | | 20 | 2 | 4 | 16.38 | 0.00 | 16.38 | 65.52 | 2.47 | 161.58 |
| | 2Lgd #8 @ 150C/C | | 8 | 111 | 222 | 0.92 | 0.00 | 0.92 | 204.24 | 0.39 | 80.59 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 6 | | | | | | | | | |
| | Top bars | | 16 | 2 | 12 | 3.66 | 0.00 | 3.66 | 43.92 | 1.58 | 69.32 |
| | Bottom bars | | 20 | 2 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 2.47 | 94.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 0.92 | 0.00 | 0.92 | 93.84 | 0.39 | 37.03 |
| | | | | | | | | | | Sub Total | 3441.27 |
| | | | | | | | | | | Total Steel Quantity in Kg | 3441.27 |
| | | | | | | | | | | Total Steel Quantity in tonne | 21.70 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | Shorter side | | | | | | | | | | |
| | Roof Beam (230x230) | 6 | | | | | | | | | |
| | Top bars | | 16 | 2 | 12 | 3.66 | 0.00 | 3.66 | 43.92 | 1.58 | 69.32 |
| | Bottom bars | | 20 | 2 | 12 | 3.20 | 0.00 | 3.20 | 38.40 | 2.47 | 94.70 |
| | 2Lgd #8 @ 200C/C | | 8 | 17 | 102 | 0.92 | 0.00 | 0.92 | 93.84 | 0.39 | 37.03 |
| | | | | | | | | | | Sub Total | 3441.27 |
| | | | | | | | | | | Total Steel Quantity in Kg | 3[illegible] |
| | | | | | | | | | | Total Steel Quantity in tonne | 21.70 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no. 55 | | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | | | | | | | | | |
| Measurements taken on | | 12/09/2024 | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Firstfloor | | | | | | | | | |
| | | Column | kg | | From steel calculation sheet | | | | | 603.00 | |
| | | Lintel beam | kg | | From steel calculation sheet | | | | | 208.33 | |
| | | chejja | kg | | From steel calculation sheet | | | | | 82.95 | |
| | | Roof beam | kg | | From steel calculation sheet | | | | | 1370.70 | |
| | | Roof slab | kg | | From steel calculation sheet | | | | | 1388.81 | |
| | | Staircase | kg | | From steel calculation sheet | | | | | 249.89 | |
| | | | | | | | | | **Total Executed Quantity** | **3903.68** | |
| | | | | | | | | | **Qty Carried to Summary** | **3903.68** | |

12/9/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

**Fourth and Final Bill**

**STEEL CALCULATION**

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| Item No 55 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | | | | | | | | | | |
| | **First Floor** | | | | | | | | | | |
| | **Senior Citizen Building** | | | | | | | | | | |
| | **First Floor-Columns** | | | | | | | | | | |
| | C1 & C1' | 4 | | | | | | | | | |
| | 4/#16 | | 16 | 4 | 16 | 3.00 | 0.00 | 3.00 | 48.00 | 1.58 | 75.76 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 64 | 1.30 | 0.00 | 1.30 | 83.20 | 0.39 | 32.83 |
| | C2 & C2' | 4 | | | | | | | | | |
| | 4/#16 | | 16 | 4 | 16 | 3.00 | 0.00 | 3.00 | 48.00 | 1.58 | 75.76 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 64 | 1.30 | 0.00 | 1.30 | 83.20 | 0.39 | 32.83 |
| | C3 | 1 | | | | | | | | | |
| | 4/#16 | | 16 | 4 | 4 | 3.00 | 0.00 | 3.00 | 12.00 | 1.58 | 18.94 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | New columns over Existing Column | | | | | | | | | | |
| | **COL 300X170** | | | | | | | | | | |
| | Column Along grid A b/w 4 &6 | 2 | | | | | | | | | |
| | 4/#10 | | 10 | 4 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.62 | 14.80 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 32 | 0.94 | 0.00 | 0.94 | 30.08 | 0.39 | 11.87 |
| | **COL 450X200** | | | | | | | | | | |
| | Column Along grid A'&1 | 1 | | | | | | | | | |
| | 8/#12 | | 12 | 8 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.89 | 21.31 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | **COL 450X200** | | | | | | | | | | |
| | Column Along grid A'&4' | 1 | | | | | | | | | |
| | 7/#12 | | 12 | 7 | 7 | 3.00 | 0.00 | 3.00 | 21.00 | 0.89 | 18.64 |
| | 1/#10 | | 10 | 1 | 1 | 3.00 | 0.00 | 3.00 | 3.00 | 0.62 | 1.85 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | **COL 450X200** | | | | | | | | | | |
| | Column Along grid A"&1 | 1 | | | | | | | | | |
| | 8/#12 | | 12 | 8 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.89 | 21.31 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | **COL 450X200** | | | | | | | | | | |
| | Column Along grid A"&4' | 1 | | | | | | | | | |
| | 7/#12 | | 12 | 7 | 7 | 3.00 | 0.00 | 3.00 | 21.00 | 0.89 | 18.64 |
| | 1/#10 | | 10 | 1 | 1 | 3.00 | 0.00 | 3.00 | 3.00 | 0.62 | 1.85 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **COL 450X200** | | | | | | | | | | |
| | Column Along grid B"b/w 1&4' | 2 | | | | | | | | | |
| | 8/#12 | | 12 | 8 | 16 | 3.00 | 0.00 | 3.00 | 48.00 | 0.89 | 42.62 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 32 | 1.30 | 0.00 | 1.30 | 41.60 | 0.39 | 16.41 |
| | **COL 400X230** | | | | | | | | | | |
| | Column along grid B' b/w 1&4 | 2 | | | | | | | | | |
| | 4/#10 | | 10 | 4 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.62 | 14.80 |
| | 4/#12 | | 12 | 4 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.89 | 21.31 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 32 | 1.26 | 0.00 | 1.26 | 40.32 | 0.39 | 15.91 |
| | **COL 450X200** | | | | | | | | | | |
| | Column along grid B'&4' | 1 | | | | | | | | | |
| | 4/#12 | | 12 | 4 | 4 | 3.00 | 0.00 | 3.00 | 12.00 | 0.89 | 10.65 |
| | 4/#10 | | 10 | 4 | 4 | 3.00 | 0.00 | 3.00 | 12.00 | 0.62 | 7.40 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | **COL 400X230** | | | | | | | | | | |
| | Column along grid B b/w 1&4 | 2 | | | | | | | | | |
| | 4/#10 | | 10 | 4 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.62 | 14.80 |
| | 4/#12 | | 12 | 4 | 8 | 3.00 | 0.00 | 3.00 | 24.00 | 0.89 | 21.31 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 32 | 1.26 | 0.00 | 1.26 | 40.32 | 0.39 | 15.91 |
| | **COL 450X200** | | | | | | | | | | |
| | Column along grid B&4' | 1 | | | | | | | | | |
| | 4/#12 | | 12 | 4 | 4 | 3.00 | 0.00 | 3.00 | 12.00 | 0.89 | 10.65 |
| | 4/#10 | | 10 | 4 | 4 | 3.00 | 0.00 | 3.00 | 12.00 | 0.62 | 7.40 |
| | Rectangle Rings #8 @ 200 C/C | | 8 | 16 | 16 | 1.30 | 0.00 | 1.30 | 20.80 | 0.39 | 8.21 |
| | | | | | | | | | | **Sub Total** | **603.00** |
| | **Lintel Beam** | | | | | | | | | | |
| | **First Floor** | | | | | | | | | | |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid A between 1 & 4' | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 5.70 | 0.00 | 5.70 | 11.40 | 0.39 | 4.50 |
| | bottom bars | | 10 | 2 | 2 | 5.40 | 0.00 | 5.40 | 10.80 | 0.62 | 6.66 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 28 | 28 | 0.70 | 0.00 | 0.70 | 19.60 | 0.39 | 7.73 |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid E between 4 & 7 | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 4.41 | 0.00 | 4.41 | 8.82 | 0.39 | 3.48 |
| | bottom bars | | 10 | 2 | 2 | 4.11 | 0.00 | 4.11 | 8.22 | 0.62 | 5.07 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 22 | 22 | 0.70 | 0.00 | 0.70 | 15.09 | 0.39 | 5.95 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid 4 b/w B,C,D,E | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 7.70 | 0.00 | 7.70 | 15.40 | 0.39 | 6.08 |
| | bottom bars | | 10 | 2 | 2 | 7.40 | 0.00 | 7.40 | 14.80 | 0.62 | 9.12 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 38 | 38 | 0.70 | 0.00 | 0.70 | 26.60 | 0.39 | 10.50 |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along Grid 7 b/w B,C,D,E | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 7.42 | 0.00 | 7.42 | 14.84 | 0.39 | 5.86 |
| | bottom bars | | 10 | 2 | 2 | 7.12 | 0.00 | 7.12 | 14.24 | 0.62 | 8.78 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 37 | 37 | 0.70 | 0.00 | 0.70 | 25.62 | 0.39 | 10.11 |
| | **LB (200X150)** | 2 | | | | | | | | | |
| | LB along Grid 1&4 b/w B-A | | | | | | | | | | |
| | top bars | | 8 | 2 | 4 | 13.98 | 0.00 | 13.98 | 55.92 | 0.39 | 22.07 |
| | bottom bars | | 10 | 2 | 4 | 13.68 | 0.00 | 13.68 | 54.72 | 0.62 | 33.74 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 69 | 139 | 0.70 | 0.00 | 0.70 | 97.16 | 0.39 | 38.34 |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | Along grid A' b/w 1 & 4' | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 5.70 | 0.00 | 5.70 | 11.40 | 0.39 | 4.50 |
| | bottom bars | | 10 | 2 | 2 | 5.40 | 0.00 | 5.40 | 10.80 | 0.62 | 6.66 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 28 | 28 | 0.70 | 0.00 | 0.70 | 19.60 | 0.39 | 7.73 |
| | **LB (200X150)** | 1 | | | | | | | | | |
| | LB Inner side | | | | | | | | | | |
| | top bars | | 8 | 2 | 2 | 3.52 | 0.00 | 3.52 | 7.04 | 0.39 | 2.78 |
| | bottom bars | | 10 | 2 | 2 | 3.22 | 0.00 | 3.22 | 6.44 | 0.62 | 3.97 |
| | 2LGD 8# stirrups @ 200 C/C | | 8 | 17 | 17 | 0.70 | 0.00 | 0.70 | 11.97 | 0.39 | 4.72 |
| | | | | | | | | | | **Sub Total** | **208.33** |
| | **Chajja** | | | | | | | | | | |
| | **First Floor** | | | | | | | | | | |
| | **Window W1** | 1 | | | | | | | | | |
| | Main bars 8# @130 c/c at top | | 8 | 15 | 15 | 0.95 | 0.00 | 0.95 | 14.10 | 0.39 | 5.57 |
| | Distribution bars 8# @250 C/C | | 8 | 5 | 5 | 1.80 | 0.00 | 1.80 | 8.64 | 0.39 | 3.41 |
| | | | | | | | | | | | |
| | **Window W** | 9 | | | | | | | | | |
| | Main bars 8# @130 c/c at top | | 8 | 13 | 113 | 0.95 | 0.00 | 0.95 | 107.20 | 0.39 | 42.30 |
| | Distribution bars 8# @250 C/C | | 8 | 5 | 43 | 1.50 | 0.00 | 1.50 | 64.80 | 0.39 | 25.57 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

**Fourth and Final Bill**

**STEEL CALCULATION**

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **Ventilator V** | 1 | | | | | | | | | |
| | Main bars 8# @130 c/c at top | | 8 | 10 | 10 | 0.95 | 0.00 | 0.95 | 9.72 | 0.39 | 3.84 |
| | Distribution bars 8# @250 C/C | | 8 | 5 | 5 | 1.20 | 0.00 | 1.20 | 5.76 | 0.39 | 2.27 |
| | **Roof Beam** | | | | | | | | | **Sub Total** | **82.95** |
| | **B1 (200X450)** | 1 | | | | | | | | | |
| | Along Grid A between 1 & 4' | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 6.30 | 0.00 | 6.30 | 12.60 | 1.58 | 19.89 |
| | bottom bars | | 16 | 2 | 2 | 5.40 | 0.00 | 5.40 | 10.80 | 1.58 | 17.05 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 37 | 37 | 1.30 | 0.00 | 1.30 | 48.10 | 0.39 | 18.98 |
| | **B2 (200X450)** | 3 | | | | | | | | | |
| | Along Grid A', A",B" between 1 & 5' | | | | | | | | | | |
| | top bars | | 16 | 2 | 6 | 6.30 | 0.00 | 6.30 | 37.80 | 1.58 | 59.66 |
| | bottom bars | | 25 | 4 | 12 | 5.40 | 0.00 | 5.40 | 64.80 | 3.85 | 249.70 |
| | Bottom extra bars | | 25 | 1 | 3 | 3.47 | 0.00 | 3.47 | 10.41 | 3.85 | 40.11 |
| | 2LGD 8# stirrups @ 300 C/C | | 8 | 8 | 23 | 1.30 | 0.00 | 1.30 | 29.25 | 0.39 | 11.54 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 21 | 63 | 1.30 | 0.00 | 1.30 | 81.90 | 0.39 | 32.32 |
| | **B3 (200X450)** | 2 | | | | | | | | | |
| | Along Grid B & B' between 1 & 5' | | | | | | | | | | |
| | top bars | | 16 | 2 | 4 | 6.30 | 0.00 | 6.30 | 25.20 | 1.58 | 39.77 |
| | top extra bars | | 16 | 1 | 2 | 1.49 | 0.00 | 1.49 | 2.98 | 1.58 | 4.70 |
| | bottom bars | | 16 | 2 | 4 | 5.40 | 0.00 | 5.40 | 21.60 | 1.58 | 34.09 |
| | 2LGD 8# stirrups @ 300 C/C | | 8 | 19 | 38 | 1.30 | 0.00 | 1.30 | 49.40 | 0.39 | 19.49 |
| | **B4 (200X450)** | 1 | | | | | | | | | |
| | Along Grid C between 2 & 5 | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 5.66 | 0.00 | 5.66 | 11.32 | 1.58 | 17.87 |
| | bottom bars | | 25 | 2 | 2 | 4.76 | 0.00 | 4.76 | 9.52 | 3.85 | 36.68 |
| | Bottom extra bars | | 25 | 1 | 1 | 3.19 | 0.00 | 3.19 | 3.19 | 3.85 | 12.29 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 33 | 33 | 1.30 | 0.00 | 1.30 | 42.55 | 0.39 | 16.79 |
| | **B5(200X450)** | 1 | | | | | | | | | |
| | Along Grid D between 3 & 6 | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 5.15 | 0.00 | 5.15 | 10.30 | 1.58 | 16.26 |
| | bottom bars | | 20 | 2 | 2 | 4.25 | 0.00 | 4.25 | 8.50 | 2.47 | 20.96 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 29 | 29 | 1.30 | 0.00 | 1.30 | 38.13 | 0.39 | 15.05 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

### Fourth and Final Bill

### STEEL CALCULATION

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **B6 (200X450)** | 2 | | | | | | | | | |
| | Along Grid E & F between 4 & 7 | | | | | | | | | | |
| | top bars | | 16 | 2 | 4 | 5.01 | 0.00 | 5.01 | 20.04 | 1.58 | 31.63 |
| | bottom bars | | 16 | 2 | 4 | 4.11 | 5.00 | 9.11 | 36.44 | 1.58 | 57.51 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 28 | 57 | 1.30 | 0.00 | 1.30 | 73.84 | 0.39 | 29.14 |
| | **B7 (200X450)** | 1 | | | | | | | | | |
| | Along Grid 7 between E & F | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 3.80 | 0.00 | 3.80 | 7.60 | 1.58 | 12.00 |
| | bottom bars | | 16 | 2 | 2 | 2.90 | 0.00 | 2.90 | 5.80 | 1.58 | 9.15 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 20 | 20 | 1.30 | 0.00 | 1.30 | 26.43 | 0.39 | 10.43 |
| | **B7 (200X450)** | 1 | | | | | | | | | |
| | Between Grid B, C, D & E | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 8.30 | 0.00 | 8.30 | 16.60 | 1.58 | 26.20 |
| | bottom bars | | 16 | 2 | 2 | 7.40 | 0.00 | 7.40 | 14.80 | 1.58 | 23.36 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 50 | 50 | 1.30 | 0.00 | 1.30 | 65.43 | 0.39 | 25.82 |
| | **B7 (200X450)** | 1 | | | | | | | | | |
| | Between Grid B, C, D & E | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 8.02 | 0.00 | 8.02 | 16.04 | 1.58 | 25.32 |
| | bottom bars | | 16 | 2 | 2 | 7.12 | 0.00 | 7.12 | 14.24 | 1.58 | 22.48 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 48 | 48 | 1.30 | 0.00 | 1.30 | 63.01 | 0.39 | 24.86 |
| | **B7 (200X450)** | 2 | | | | | | | | | |
| | Along Grid 1 & 5' between A & B | | | | | | | | | | |
| | top bars | | 16 | 2 | 4 | 14.58 | 0.00 | 14.58 | 58.32 | 1.58 | 92.05 |
| | bottom bars | | 16 | 2 | 4 | 13.68 | 0.00 | 13.68 | 54.72 | 1.58 | 86.37 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 92 | 184 | 1.30 | 0.00 | 1.30 | 239.72 | 0.39 | 94.59 |
| | **CB (450X150)** | 1 | | | | | | | | | |
| | Along Grid 4 between B & | | | | | | | | | | |
| | top bars | | 20 | 4 | 4 | 2.90 | 0.00 | 2.90 | 11.60 | 2.47 | 28.61 |
| | bottom bars | | 20 | 6 | 6 | 2.60 | 0.00 | 2.60 | 15.60 | 2.47 | 38.47 |
| | 2LGD 8# stirrups @ 100 C/C | | 8 | 27 | 27 | 1.20 | 0.00 | 1.20 | 32.40 | 0.39 | 12.78 |
| | **SB (200X450)** | 1 | | | | | | | | | |
| | Along Grid 4 between E & F | | | | | | | | | | |
| | top bars | | 16 | 2 | 2 | 3.80 | 0.00 | 3.80 | 7.60 | 1.58 | 12.00 |
| | bottom bars | | 20 | 2 | 2 | 2.90 | 0.00 | 2.90 | 5.80 | 2.47 | 14.30 |
| | 2LGD 8# stirrups @ 150 C/C | | 8 | 20 | 20 | 1.30 | 0.00 | 1.30 | 26.43 | 0.39 | 10.43 |
| | | | | | | | | | | **Sub Total** | **1370.70** |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

**STEEL CALCULATION**

| SI NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | **Senior Citizen building** | | | | | | | | | | |
| | **First floor-Roof Slab** | | | | | | | | | | |
| | **Slab between Grid A-B and Grid 1-5'** | 1 | | | | | | | | | |
| | 12# @150c/c main bars alt | 1 | 12 | 19 | 19 | 13.68 | 0.00 | 13.68 | 259.92 | 0.89 | 230.76 |
| | 12# @150 c/c crank bars alt | 1 | 12 | 19 | 19 | 13.68 | 5.04 | 18.72 | 355.68 | 0.89 | 315.78 |
| | 10# @270 c/c Distrubution | 1 | 10 | 52 | 52 | 5.40 | 0.00 | 5.40 | 279.00 | 0.62 | 172.01 |
| | 12# @300 c/c Extra at Top | 1 | 12 | 19 | 19 | 8.21 | 0.00 | 8.21 | 155.97 | 0.89 | 138.47 |
| | **Slab between Grid B&C** | 1 | | | | | | | | | |
| | 12# @150 c/c main bars alt | 1 | 12 | 18 | 18 | 2.89 | 0.00 | 2.89 | 51.92 | 0.89 | 46.10 |
| | 12# @150 c/c crank bars alt | 1 | 12 | 18 | 18 | 2.89 | 1.01 | 3.90 | 70.03 | 0.89 | 62.18 |
| | 10# @270 c/c Distrubution | 1 | 10 | 12 | 12 | 5.09 | 0.00 | 5.09 | 59.57 | 0.62 | 36.73 |
| | 12# @300 c/c Extra at Top | 1 | 12 | 18 | 18 | 1.69 | 0.00 | 1.69 | 30.36 | 0.89 | 26.96 |
| | **Slab between Grid C&D** | 1 | | | | | | | | | |
| | 12# @150 c/c main bars alt | 1 | 12 | 16 | 16 | 2.30 | 0.00 | 2.30 | 36.80 | 0.89 | 32.67 |
| | 12# @150 c/c crank bars alt | 1 | 12 | 16 | 16 | 2.30 | 1.01 | 3.31 | 52.93 | 0.89 | 46.99 |
| | 10# @270 c/c Distrubution | 1 | 10 | 10 | 10 | 4.50 | 0.00 | 4.50 | 42.83 | 0.62 | 26.41 |
| | 12# @300 c/c Extra at Top | 1 | 12 | 16 | 16 | 1.38 | 0.00 | 1.38 | 22.08 | 0.89 | 19.60 |
| | **Slab between Grid D&E** | 1 | | | | | | | | | |
| | 12# @150 c/c main bars alt | 1 | 12 | 15 | 15 | 1.72 | 0.00 | 1.72 | 25.05 | 0.89 | 22.24 |
| | 12# @150 c/c crank bars alt | 1 | 12 | 15 | 15 | 1.72 | 1.01 | 2.73 | 39.74 | 0.89 | 35.28 |
| | 10# @270 c/c Distrubution | 1 | 10 | 7 | 7 | 4.07 | 0.00 | 4.07 | 30.00 | 0.62 | 18.49 |
| | 12# @300 c/c Extra at Top | 1 | 12 | 15 | 15 | 0.96 | 0.00 | 0.96 | 13.98 | 0.89 | 12.42 |
| | **Headroom slab** | 1 | | | | | | | | | |
| | 12# @150c/c main bars alt | 1 | 12 | 18 | 18 | 2.90 | 0.00 | 2.90 | 52.20 | 0.89 | 46.34 |
| | 12# @150 c/c crank bars alt | 1 | 12 | 18 | 18 | 2.90 | 1.01 | 3.91 | 70.34 | 0.89 | 62.45 |
| | 10# @270 c/c Distribution | 1 | 10 | 12 | 12 | 5.10 | 0.00 | 5.10 | 59.88 | 0.62 | 36.92 |
| | | | | | | | | | | **Sub Total** | **1388.81** |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

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## PRE MEASUREMENT SHEET

**Fourth and Final Bill**

### STEEL CALCULATION

| Sl NO | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | STAIRCASE | | | | | | | | | | |
| | Senior Citizen building | | | | | | | | | | |
| | 1st flight | 1 | | | | | | | | | |
| | 12# @100c/c main | | 12 | 13 | 13 | 5.58 | 0.00 | 5.58 | 72.49 | 0.89 | 64.36 |
| | 10# @250c/c distribution | | 10 | 23 | 23 | 1.20 | 0.00 | 1.20 | 27.96 | 0.62 | 17.24 |
| | 12# @100c/c main | | 12 | 13 | 13 | 2.64 | 0.00 | 2.64 | 34.32 | 0.89 | 30.47 |
| | 10# @250c/c distribution | | 10 | 12 | 12 | 1.20 | 0.00 | 1.20 | 13.87 | 0.62 | 8.55 |
| | 2nd flight | 1 | | | | | | | | | |
| | 12# @100c/c main | | 12 | 13 | 13 | 5.35 | 0.00 | 5.35 | 69.50 | 0.89 | 61.70 |
| | 10# @250c/c distribution | | 10 | 22 | 22 | 1.20 | 0.00 | 1.20 | 26.86 | 0.62 | 16.56 |
| | 12# @100c/c main | | 12 | 13 | 13 | 2.45 | 0.00 | 2.45 | 31.80 | 0.89 | 28.23 |
| | 10# @250c/c distribution | | 10 | 11 | 11 | 1.20 | 0.00 | 1.20 | 12.94 | 0.62 | 7.98 |
| | Front of Staircase | 1 | | | | | | | | | |
| | 12# @150c/c main | | 12 | 20 | 20 | 0.82 | 0.00 | 0.82 | 16.67 | 0.89 | 14.80 |
| | | | | | | | | | | Sub Total | 249.89 |
| | | | | | | | | | | Total Steel Quantity in Kg | 3903.68 |
| | | | | | | | | | | Total Steel Quantity in tonne | 3.90 |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 90 | | Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water, all materials,usage& all other appurtenaces required to complete the work and as per the direction of engineer incharge of work.. | | | | | | | | | |
| Measurements taken on | | 18/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | 4234.56 | |
| | | **Road Beautification-shops** | | | | | | | | | |
| | | **Unit 1-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.21 | 1.66 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.47 | 1.67 | | | 0.20 | 0.82 | |
| | | | Cum | 1 | 2.47 | 1.69 | | | 0.20 | 0.83 | |
| | | | Cum | 1 | 2.46 | 1.71 | | | 0.20 | 0.84 | |
| | | | Cum | 1 | 2.18 | 1.71 | | | 0.20 | 0.75 | |
| | | **Unit 2-3shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.22 | 1.64 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.46 | 1.64 | | | 0.20 | 0.81 | |
| | | | Cum | 1 | 2.21 | 1.65 | | | 0.20 | 0.73 | |
| | | **Unit 3-3shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.20 | 1.66 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.47 | 1.68 | | | 0.20 | 0.83 | |
| | | | Cum | 1 | 2.20 | 1.67 | | | 0.20 | 0.73 | |
| | | **Unit 4-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.21 | 1.66 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.47 | 1.67 | | | 0.20 | 0.82 | |
| | | | Cum | 1 | 2.47 | 1.69 | | | 0.20 | 0.83 | |
| | | | Cum | 1 | 2.46 | 1.71 | | | 0.20 | 0.84 | |
| | | | Cum | 1 | 2.18 | 1.71 | | | 0.20 | 0.75 | |
| | | **Unit 5-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.21 | 1.66 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.47 | 1.67 | | | 0.20 | 0.82 | |
| | | | Cum | 1 | 2.47 | 1.69 | | | 0.20 | 0.83 | |
| | | | Cum | 1 | 2.46 | 1.71 | | | 0.20 | 0.84 | |
| | | | Cum | 1 | 2.18 | 1.71 | | | 0.20 | 0.75 | |
| | | **Unit 6-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.21 | 1.66 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.47 | 1.67 | | | 0.20 | 0.82 | |
| | | | Cum | 1 | 2.47 | 1.69 | | | 0.20 | 0.83 | |
| | | | Cum | 1 | 2.46 | 1.71 | | | 0.20 | 0.84 | |
| | | | Cum | 1 | 2.18 | 1.71 | | | 0.20 | 0.75 | |
| | | **Unit 7-5shops unit** | | | | | | | | | |
| | | | Cum | 1 | 2.21 | 1.66 | | | 0.20 | 0.73 | |
| | | | Cum | 1 | 2.47 | 1.67 | | | 0.20 | 0.82 | |
| | | | Cum | 1 | 2.47 | 1.69 | | | 0.20 | 0.83 | |
| | | | Cum | 1 | 2.46 | 1.71 | | | 0.20 | 0.84 | |
| | | | Cum | 1 | 2.18 | 1.71 | | | 0.20 | 0.75 | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Near sump-triangular portion | Cum | 1 | 25.53 | | | | 0.25 | 6.38 | |
| | | | | | Area of triangle =0.5*3.5*14.59=25.53 | | | | | | |
| | | | | | | | | | | **Total Executed Quantity** | **4265.40** |
| | | | | | | | | | | **Qty Carried to Summary** | **4265.40** |

18/4/24

PUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 102 | | Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum (Tipper 5.5 m3) as per the directions of the Engineer-in-charge of the work | | | | | | | | | |
| Measurements taken on | | 18/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 4508.44 | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | 1015.04 | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 4722.47 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | Excavated earth | Cum | | | | | | | 6513.78 | |
| | | Filling available | Cum | | | | | | | -632.87 | |
| | | | | | | | | | Total Executed Quantity | 16126.86 | |
| | | | | | | | | | Qty Carried to Summary | 16126.86 | |

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 103 | | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t km as per the directions of the Engineer-in-charge of the work | | | | | | | | | |
| Measurements taken on | | 18/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 5770.80 | |
| | | Quantity Measured in 2nd RA Bill | | | | | | | | 1299.25 | |
| | | Quantity Measured in 3rd RA Bill | | | | | | | | 6044.77 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | | t km | 5880.91 | 1.28 | | | | | 7527.56 | |
| | | | | | | | | | **Total Executed Quantity** | **20642.38** | |
| | | | | | | | | | **Qty Carried to Summary** | **20642.38** | |

18/04/24

18/04/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 104 | | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ..... mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work. | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | **385.00** | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G F & F F | mtr | 1 | ~~200.00~~ | | | | | 200.00 | |
| | | | | | | | | | **Total Executed Quantity** | **585.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **585.00** | |

25/04/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 105 | | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ... ...mm dia .......mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick and as per the direction of engineer incharge of work. | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 825.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G.F & F.F | mtr | 1 | 50.00 | | | | | 50.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | mtr | 7 | 50.00 | | | | | 350.00 | |
| | | | | | | | | **Total Executed Quantity** | | 1225.00 | |
| | | | | | | | | **Qty Carried to Summary** | | 1225.00 | |

25/4/24

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 106 | | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ..... mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc , and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2mm thick thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 85.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G.F & F.F | mtr | 1 | 85.00 | | | | | 85.00 | |
| | | | | | | | | | **Total Executed Quantity** | **170.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **170.00** | |

R.PRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 107 | | Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete upto 50mm conduit in brick wall and as per the direction of engineer incharge of work. | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 25.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G.F & F.F | Mtr | 1 | 100.00 | | | | | 100.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | Mtr | 7 | 15.00 | | | | | 105.00 | |
| | | | | | | | | | **Total Executed Quantity** | **230.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **230.00** | |

25/4/24

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 108 | | Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm etc. as required 25mm and as per the direction of engineer incharge of work | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 40.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G.F & F.F | mtr | 1 | 40.00 | | | | | 40.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | mtr | 7 | 15.00 | | | | | 105.00 | |
| | | | | | | | | | **Total Executed Quantity** | **185.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **185.00** | |

25/4/24

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

### PRE MEASUREMENT SHEET

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 109 | | Supplying PVC/GI flexible conduit pipe . mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm complete and as per the directions of the Engineer-in-charge of the work. | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 90.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | GF&FF | mtr | 1 | 45.00 | | | | | 45.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | mtr | 7 | 50.00 | | | | | 350.00 | |
| | | | | | | | | | **Total Executed Quantity** | **485.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **485.00** | |

25/4/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 111 | | Point wiring using Copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet GROUP A Short point upto 3Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work . | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 9.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G.F | Each | 5 | | | | | | 5.00 | |
| | | F.F | Each | 21 | | | | | | 21.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | Each | 155 | | | | | | 155.00 | |
| | | | | | | | | | **Total Executed Quantity** | **190.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **190.00** | |

25/4/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no.112 | | Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | 14.00 | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G F | Each | 7 | | | | | | 7.00 | |
| | | F F | Each | 24 | | | | | | 24.00 | |
| | | | | | | | | | **Total Executed Quantity** | **45.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **45.00** | |

25/4/24

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 113 | | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694 1990 & confirming to GTP of GROUP -A 1.5 sqmm. and as per the direction of engineer incharge of work. | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | 775.00 | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Ground Floor | mtr | 1 | 150.00 | | | | | 150.00 | |
| | | First Floor | mtr | 1 | 200.00 | | | | | 200.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | mtr | 7 | 120.00 | | | | | 840.00 | |
| | | | | | | | | | **Total Executed Quantity** | 1965.00 | |
| | | | | | | | | | **Qty Carried to Summary** | 1965.00 | |

23/4/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 114 | | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 2.5 sqmm. and as per the direction of engineer incharge of work.. | | | | | | | | | |
| Measurements taken on | | 25/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 1680.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | Ground Floor | mtr | 1 | 150.00 | | | | | 150.00 | |
| | | First Floor | mtr | 1 | 200.00 | | | | | 200.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | | mtr | 7 | 90.00 | | | | | 630.00 | |
| | | | | | | | | | **Total Executed Quantity** | **2660.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **2660.00** | |

25/4/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 115 | | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694-1990 & confirming to GTP of GROUP -A 4 sqmm and as per the direction of engineer incharge of work. | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 200.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | G F & F.F | mtr | 1 | 90.00 | | | | | 90.00 | |
| | | | | | | | | | **Total Executed Quantity** | **290.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **290.00** | |

5/4/24

R.P.S.

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 142 | | Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board 32-40 Amps 2 pole and as per the direction of engineer incharge of work | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 2.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | | Each | 2 | | | | | | 2.00 | |
| | | | | | | | | | **Total Executed Quantity** | **4.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **4.00** | |

27/4/24

R.V.S

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Item no 143 | | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required GI strip 25x3mm and as per the direction of engineer incharge of work . | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | Quantity Measured in 1st RA Bill | | | | | | | | 2.00 | |
| | | Present Bill Measurements | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | |
| | | | Each | 2 | | | | | | 2.00 | |
| | | | | | | | | | **Total Executed Quantity** | **4.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **4.00** | |

5/4/24

R.V.P.

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E7 | | Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS 458-1988 with latest amentments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and giving necessary hydraulic test as per ISS to the required pressure and commissioning etc complete. (Contractor will make his own arrangements for procuring water for testing). Before the execution of the work, the contractor shall carry out the survey RCC NP3 Class pipe of 300 mm dia | | | | | | | | | |
| Measurements taken on | | 08/04/2024 | | | | | | | | | |
| | | **For Hume pipes** | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| 0.00 | 30.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 30.00 | 60.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 60.00 | 90.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 90.00 | 120.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 120.00 | 150.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 150.00 | 180.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 180.00 | 210.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 210.00 | 240.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 240.00 | 270.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 270.00 | 290.60 | | m | 1 | 20.60 | | | | | 20.60 | |
| | | | | | | | | | **Total Executed Quantity** | **290.60** | |
| | | | | | | | | | **Qty Carried to Summary** | **290.60** | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E8 | | Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc complete (Contractor will make his own arrangements for procuring water for testing) etc Note Upto 110mm dia Coil shall be used.HDPE Grade PE100-PN6.0,110mm dia | | | | | | | | | |
| Measurements taken on | | 08/04/2024 | | | | | | | | | |
| | | **For HDPE pipes** | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| 0.00 | 30.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 30.00 | 60.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 60.00 | 90.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 90.00 | 120.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 120.00 | 150.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 150.00 | 180.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 180.00 | 210.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 210.00 | 240.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 240.00 | 270.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 270.00 | 290.60 | | m | 2 | 20.60 | | | | | 41.20 | |
| | | **RHS** | | | | | | | | | |
| 0.00 | 30.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 30.00 | 60.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 60.00 | 90.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 90.00 | 120.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 120.00 | 150.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 150.00 | 180.00 | | m | 2 | 30.00 | | | | | 60.00 | |
| 180.00 | 199.60 | | m | 2 | 19.60 | | | | | 39.20 | |
| | | | | | | | | | **Total Executed Quantity** | **980.40** | |
| | | | | | | | | | **Qty Carried to Summary** | **980.40** | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| F9 | | Providing and fixing Chlorinated Polyvinyl Chloride(CPVC) pipes,having thermal stability for hot & cold water supply,including all CPVC plain & brass threaded fittings,i/c fixing the pipe with clamps at 1.00m spacing.This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.Conceled work,including cutting chases and making good the walls etc :20mm nominal dia pipes | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | | m | 1 | 20.00 | | | | | 20.00 | |
| | | | m | 1 | 30.00 | | | | | 30.00 | |
| | | | | | | | | | **Total Executed Quantity** | **50.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **50.00** | |

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E10 | | Providing and fixing Chlorinated Polyvinyl Chloride(CPVC) pipes,having thermal stability for hot & cold water supply,including all CPVC plain & brass threaded fittings,i/c fixing the pipe with clamps at 1.00m spacing.This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge Conceled work,including cutting chases and making good the walls etc 25mm nominal dia pipes | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | | m | 1 | 20.00 | | | | | 20.00 | |
| | | | m | 1 | 20.00 | | | | | 20.00 | |
| | | **Road beautification** | | | | | | | | | |
| | | **Water pipes** | | | | | | | | | |
| 0.00 | 30.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 30.00 | 60.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 60.00 | 90.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 90.00 | 120.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 120.00 | 150.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 150.00 | 180.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 180.00 | 199.60 | | m | 1 | 19.60 | | | | | 19.60 | |
| | | | | | | | | | **Total Executed Quantity** | **239.60** | |
| | | | | | | | | | **Qty Carried to Summary** | **239.60** | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E12 | | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excavation etc complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for PVC pipes 110mm dia , 6 kg/sqcm & class 3 | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | | m | 1 | 20.00 | | | | | 20.00 | |
| | | | | | | | | | **Total Executed Quantity** | **20.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **20.00** | |

27/4/24

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E13 | | Supplying PVC ringtite pipes conforming to IS 4985 2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excavation etc complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc for PVC pipes 50mm dia , 6 kg/sqcm & class 5 | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | | m | 1 | 5.00 | | | | | 5.00 | |
| | | | | | | | | | **Total Executed Quantity** | **5.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **5.00** | |

27.4.24

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E14 | | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excavation etc complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc for PVC pipes 63mm dia , 6 kg/sqcm & class 3 | | | | | | | | | |
| Measurements taken on | | 27/04/2024 | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | |
| | | | m | 1 | 5.00 | | | | | 5.00 | |
| | | | | | | | | | **Total Executed Quantity** | **5.00** | |
| | | | | | | | | | **Qty Carried to Summary** | **5.00** | |

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RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E18 | | Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. Note: Upto 110mm dia Coil shall be used.HDPE Grade PE100-PN6.0,200mm dia | | | | | | | | | |
| Measurements taken on | | 08/04/2024 | | | | | | | | | |
| | | **For HDPE pipes** | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| 0.00 | 30.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 30.00 | 60.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 60.00 | 90.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 90.00 | 120.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 120.00 | 150.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 150.00 | 180.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 180.00 | 210.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 210.00 | 240.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 240.00 | 270.00 | | m | 1 | 30.00 | | | | | 30.00 | |
| 270.00 | 290.60 | | m | 1 | 20.60 | | | | | 20.60 | |
| | | | | | | | | | **Total Executed Quantity** | **290.60** | |
| | | | | | | | | | **Qty Carried to Summary** | **290.60** | |

Checked
Dt: 08/4/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK:- Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants. (Package No-06)**

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**PRE MEASUREMENT SHEET**

**Fourth and Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E19 | | Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. | | | | | | | | | |
| Measurements taken on | | 12/04/2024 | | | | | | | | | |
| | | **For Hume pipes** | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 180.00 | 210.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 210.00 | 240.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 240.00 | 270.00 | | Cum | 1 | 30.00 | 0.60 | | | 1.60 | 28.80 | |
| 270.00 | 290.60 | | Cum | 1 | 20.60 | 0.60 | | | 1.60 | 19.78 | |
| | | **For HDPE pipes** | | | | | | | | | |
| | | **LHS** | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 180.00 | 210.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 210.00 | 240.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 240.00 | 270.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 270.00 | 290.60 | | Cum | 1 | 20.60 | 1.00 | | | 0.30 | 6.18 | |
| | | **RHS** | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 1.00 | | | 0.30 | 9.00 | |
| 180.00 | 199.60 | | Cum | 1 | 19.60 | 1.00 | | | 0.30 | 5.88 | |
| | | **water pipes** | | | | | | | | | |
| 0.00 | 30.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.25 | 2.25 | |
| 30.00 | 60.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.25 | 2.25 | |
| 60.00 | 90.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.25 | 2.25 | |
| 90.00 | 120.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.25 | 2.25 | |
| 120.00 | 150.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.25 | 2.25 | |
| 150.00 | 180.00 | | Cum | 1 | 30.00 | 0.30 | | | 0.25 | 2.25 | |
| 180.00 | 199.60 | | Cum | 1 | 19.60 | 0.30 | | | 0.25 | 1.47 | |
| | | **Deductions** | | | | | | | | | |
| | | HDPE Pipe chamber | Cum | -24 | 1.20 | 1.00 | | | 0.30 | -8.64 | |
| | | Hume Pipe chamber | Cum | -10 | 1.20 | 0.60 | | | 1.60 | -11.52 | |
| | | | | | | | | | **Total Executed Quantity** | **420.85** | |
| | | | | | | | | | **Qty Carried to Summary** | **420.85** | |

12/04/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK :** Construction Of Synthetic Tennis Court,Street Vending Zone & Other Developmental Works At Judicial Layout Main And Cross Roads, Chikkabommasandra, Someshwara Nagar,Allalasandra Village & Surrounding Areas In Ward No-04 Of Yelahanka Division Under Amruth Nagarothan Grants. (Package No-06)

# EMB

## Fourth and Final Bill

# Measurement Sheet

# (Book No.04)

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK:-Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

**MEASUREMENT SHEET**

**Measurements Taken On :**

**Fourth And Final Bill**

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Item No.01 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 19.86 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 19.86 | | |
| | | **Now to be paid Quantity** | | | | | | | | 19.86 | | |
| | | Item No.02 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 31.95 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 31.95 | | |
| | | **Now to be paid Quantity** | | | | | | | | 31.95 | | |
| | | Item No.03 Removing and refixing stone slabs of drains and pointing in CM (1:3) and directions of the Engineer in charge | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 550.35 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 550.35 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 413.55 | | |
| | | **Now to be paid Quantity** | | | | | | | | 136.80 | | |
| | | Item No.04 Removing and refixing of footpath slab (Data Rate) and directions of the Engineer in charge | | | | | | | | Nil | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 1776.81 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 1776.81 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 1287.41 | | |
| | | **Now to be paid Quantity** | | | | | | | | 489.41 | | |
| | | Item No.05 Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work and directions of the Engineer in charge | | | | | | | | Nil | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 01 to 02 | | | | | | | | 8252.60 | | |
| | | **Total Executed Quantity** | | | | | | | | 8252.60 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 8252.60 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 4330.43 | | |
| | | **DPQ Qty paid in 2nd RA Bill** | | | | | | | | 1015.04 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 1451.90 | | |
| | | **Now to be paid Quantity** | | | | | | | | 1455.24 | 207.72 | 302282.00 |
| | | Item No.06 Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete and directions of the Engineer in charge and directions of the Engineer in charge | | | | | | | | | | |
| | | **Item Not Operated** | | | | | | | | | | |
| | | Item No.07 Providing one line dressing to granite stone slab / granite stone masonry as per specifications as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges)(Data Rate) and directions of the Engineer in charge | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 413.55 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 413.55 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 413.55 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |

R.V.P.

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No.08 | | Providing and laying in position plain cement concrete Mix 1 3 6 (M10) for levelling course for all works in foundation Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications and directions of the Engineer in charge | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 03 to 06 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **1314.03** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **1314.03** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **1314.03** | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | **632.31** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **134.91** | | |
| | | **Now to be paid Quantity** | | | | | | | | **344.82** | | |
| Item No.09 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)and directions of the Engineer in charge. | | | | | | | | **201.98** | **6423.65** | **1297418.00** |
| Measurements taken on | | 09/04/2024 , 12/04/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | **1120.86** | | |
| | | Quantity Recorded in 2nd RA Bill | | | | | | | | **313.08** | | |
| | | Quantity Recorded in 3rd RA Bill | | | | | | | | **250.55** | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **CC Drain** | | | | | | | | | | |
| | | **Bottom Raft** | | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | | |
| | | LHS | | | | | | | | | | |
| | | (From North to South) | | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 165.00 | 180.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 1.70 | | |
| 195.00 | 210.00 | | Cum | 1 | 12.60 | 0.90 | | | 0.15 | 2.03 | | |
| 210.00 | 222.60 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 222.60 | 237.60 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 237.60 | 252.60 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 252.60 | 267.60 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 1.08 | | |
| 267.60 | 282.60 | | Cum | 1 | 8.00 | 0.90 | | | | | | |
| 282.60 | 290.60 | | | | | | | | | | | |
| | | RHS | | | | | | | 0.15 | 2.03 | | |
| | | (From North to South) | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 0.92 | | |
| 60.00 | 75.00 | | Cum | 1 | 6.80 | 0.90 | | | 0.15 | 0.00 | | |
| 75.00 | 90.00 | | Cum | 1 | 0.00 | 0.90 | | | 0.15 | 2.03 | | |
| 90.00 | 96.80 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 96.80 | 112.40 | Culvert | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 112.40 | 127.40 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 127.40 | 142.40 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 142.40 | 157.40 | | Cum | 1 | 15.00 | 0.90 | | | 0.15 | 2.03 | | |
| 157.40 | 172.40 | | | | | | | | | | | |
| 172.40 | 187.40 | | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 187.40 | 199.60 | **Side Wall** | Cum | 1 | 12.20 | 0.90 | | | 0.15 | 1.65 | | |
| | | 1st B Cross Road | | | | | | | | | | |
| | | **LHS** | | | | | | | | | | |
| | | (From North to South) | | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 15.00 | 30.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 30.00 | 45.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 45.00 | 60.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 60.00 | 75.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 75.00 | 90.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 90.00 | 105.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 105.00 | 120.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 120.00 | 135.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 135.00 | 150.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 150.00 | 165.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 165.00 | 180.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 180.00 | 195.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 195.00 | 210.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 210.00 | 222.60 | | Cum | 2 | 12.60 | 0.15 | | | 0.90 | 3.40 | | |
| 222.60 | 237.60 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 237.60 | 252.60 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 252.60 | 267.60 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 267.60 | 282.60 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 282.60 | 290.60 | | Cum | 2 | 8.00 | 0.15 | | | 0.90 | 2.16 | | |
| | | **RHS** | | | | | | | | | | |
| | | (From North to South) | | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 15.00 | 30.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 30.00 | 45.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 45.00 | 60.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 60.00 | 75.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 75.00 | 90.00 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 90.00 | 96.80 | | Cum | 2 | 6.80 | 0.15 | | | 0.90 | 1.84 | | |
| 96.80 | 112.40 | Culvert | Cum | 2 | 0.00 | 0.15 | | | 0.90 | 0.00 | | |
| 112.40 | 127.40 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 127.40 | 142.40 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 142.40 | 157.40 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 157.40 | 172.40 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 172.40 | 187.40 | | Cum | 2 | 15.00 | 0.15 | | | 0.90 | 4.05 | | |
| 187.40 | 199.60 | | Cum | 2 | 12.20 | 0.15 | | | 0.90 | 3.29 | | |
| | | | | | | **Sub Total** | | | | | | **192.21** |
| | | **For HDPE Pipe Chamber** | | | | | | | | | | |
| | | **Bottom Raft** | Cum | 12 | 1.20 | 1.20 | | | 0.15 | 2.59 | | |
| | | RHS | Cum | 12 | 1.20 | 1.20 | | | 0.15 | 2.59 | | |
| | | LHS | | | | | | | | | | |
| | | **Wall** | Cum | 24 | 1.20 | 0.15 | | | 0.80 | 3.46 | | |
| | | RHS | Cum | 24 | 0.90 | 0.15 | | | 0.80 | 2.59 | | |
| | | | Cum | 24 | 1.20 | 0.15 | | | 0.80 | 3.46 | | |
| | | LHS | Cum | 24 | 0.90 | 0.15 | | | 0.80 | 2.59 | | |
| | | | | | | **Sub Total** | | | | | | **17.28** |
| | | **For Hume Pipe Chamber** | | | | | | | | | | |
| | | **Bottom Raft** | Cum | 10 | 1.20 | 1.20 | | | 0.15 | 2.16 | | |
| | | LHS | | | | | | | | | | |
| | | **Wall** | Cum | 20 | 1.20 | 0.15 | | | 1.80 | 6.48 | | |
| | | LHS | Cum | 20 | 0.90 | 0.15 | | | 1.80 | 4.86 | | |
| | | | | | | **Sub Total** | | | | | | **13.50** |
| | | **Total Executed Quantity** | | | | | | | | | | **1907.48** |
| | | **Modified Schedule B Quantity** | | | | | | | | | | **1907.48** |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | | | **1120.86** |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | | | **313.08** |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | | | **250.55** |
| | | **Now to be paid Quantity** | | | | | | | | | | **222.99** 7335.82 1635836.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 10 | | Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications and directions of the Engineer in charge | | | | | | | | | | |
| | | | tonne | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 07** | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **112.03** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **112.03** | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | **112.03** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **64.83** | | |
| | | **Now to be paid Quantity** | | | | | | | | **19.04** | | |
| | | | | | | | | | | **15.87** | | |
| Item No 11 | | Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | | | | | | | | **12.29** | **115394.45** | **1418147.00** |
| Measurements taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Quantity Recorded in 2nd RA Bill | | | | | | | | **3029.46** | | |
| | | Quantity Recorded in 3rd RA Bill | | | | | | | | **729.33** | | |
| | | Present Bill Measurements | | | | | | | | **943.395** | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | **For Drain** | | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | | |
| | | LHS | | | | | | | | | | |
| | | (From North to South) | | | | | | | | | | |
| 0.00 | 15.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 15.00 | 30.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 30.00 | 45.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 45.00 | 60.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 60.00 | 75.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 75.00 | 90.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 90.00 | 105.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 105.00 | 120.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 120.00 | 135.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 135.00 | 150.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 150.00 | 165.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 165.00 | 180.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 180.00 | 195.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 11.34 | | |
| 195.00 | 210.00 | | Sqm | 1 | 12.60 | 0.90 | | | | 13.50 | | |
| 210.00 | 222.60 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 222.60 | 237.60 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 237.60 | 252.60 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 252.60 | 267.60 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 267.60 | 282.60 | | Sqm | 1 | 8.00 | 0.90 | | | | 7.20 | | |
| 282.60 | 290.60 | | | | | | | | | | | |
| | | RHS | | | | | | | | 13.50 | | |
| | | (From North to South) | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 0.00 | 15.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 15.00 | 30.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 30.00 | 45.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 45.00 | 60.00 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 60.00 | 75.00 | | Sqm | 1 | 6.80 | 0.90 | | | | 6.12 | | |
| 75.00 | 90.00 | | Sqm | 1 | 0.00 | 0.90 | | | | 0.00 | | |
| 90.00 | 96.80 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 96.80 | 112.40 | Culvert | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 112.40 | 127.40 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 127.40 | 142.40 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 142.40 | 157.40 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 157.40 | 172.40 | | Sqm | 1 | 15.00 | 0.90 | | | | 13.50 | | |
| 172.40 | 187.40 | | Sqm | 1 | 12.20 | 0.90 | | | | 10.98 | | |
| 187.40 | 199.60 | | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **5129.33** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **5129.33** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **3029.46** | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | **729.33** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **943.39** | | |
| | | **Now to be paid Quantity** | | | | | | | | **427.14** | **2103.58** | **898523.00** |

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3/7/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 12 | | Providing and Fixing pre cast covering Slab 150mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge (Data Rate) and directions of the Engineer in charge | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 142.74 | | |
| | | **Now to be paid Quantity** | | | | | | | | 142.74 | | |
| Item No 13 | | Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge (Data Rate) and directions of the Engineer in charge. | | | | | | | | 142.74 | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 110.58 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 110.58 | | |
| | | **DPQ Qty paid in 2nd RA Bill** | | | | | | | | 74.82 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 27.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 8.76 | | |
| Item No 14 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge | | | | | | | | Nil | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 08 to 09 | | | | | | | | 347.42 | | |
| | | **Total Executed Quantity** | | | | | | | | 347.42 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 347.42 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 146.80 | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | 13.90 | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | 88.79 | | |
| | | **Now to be paid Quantity** | | | | | | | | 97.94 | 6807.81 | 666759.00 |
| Item No 15 | | Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate) and directions of the Engineer in charge. | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 9005.00 | | |
| | | Quantity Recorded in 2nd RA Bill | | | | | | | | 1545.00 | | |
| | | Quantity Recorded in 3rd RA Bill 03/07/2024 | | | | | | | | 3383.00 | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | Shops | | | | | | | | | | |
| | | LHS | | | | | | | | | | |
| 0.00 | 15.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 15.00 | 30.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 30.00 | 45.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 45.00 | 60.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 60.00 | 75.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 75.00 | 90.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 90.00 | 105.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 105.00 | 120.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 120.00 | 135.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 135.00 | 150.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 150.00 | 165.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 165.00 | 180.00 | | m | 1 | 4.60 | | | | | 4.60 | | |
| 180.00 | 195.00 | | m | | | | | | | | | |
| 195.00 | 199.60 | | | | | | | | | | | |
| | | RHS | | | | | | | | | | |
| 0.00 | 15.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 15.00 | 30.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 30.00 | 45.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 45.00 | 60.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 60.00 | 75.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 75.00 | 90.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 90.00 | 100.00 | | m | 1 | 10.00 | | | | | 10.00 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 113.00 | road | m | 1 | 0.00 | | | | | 0.00 | | |
| 113.00 | 128.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 128.00 | 143.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 143.00 | 158.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 158.00 | 173.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 173.00 | 188.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 188.00 | 203.00 | | m | 1 | 15.00 | | | | | 15.00 | | |
| 203.00 | 207.00 | | m | 1 | 4.00 | | | | | 4.00 | | |
| | | **Total length** | m | | | | | | | 393.60 | | |
| | | **No of Kerb Stones** | nos | | | | Total Length/0.45 | | | **875.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **14808.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **14808.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **9005.00** | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | **1545.00** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **3383.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **875.00** | 514.73 | 450388.00 |
| Item No 16 | | Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. and directions of the Engineer in charge. | | | | | | | | | | |
| Measurements taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 2nd RA Bill | | | | | | | | **243.22** | | |
| | | Quantity Recorded in 3rd RA Bill | | | | | | | | **1810.36** | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | Shops | | | | | | | | | | |
| | | LHS | | | | | | | | | | |
| 0.00 | 15.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 15.00 | 30.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 30.00 | 45.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 45.00 | 60.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 60.00 | 75.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 75.00 | 90.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 90.00 | 105.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 105.00 | 120.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 120.00 | 135.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 135.00 | 150.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 150.00 | 165.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 165.00 | 180.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 180.00 | 195.00 | | Sqm | 1 | 4.60 | | | | 0.35 | 1.61 | | |
| 195.00 | 199.60 | | | | | | | | | | | |
| | | RHS | | | | | | | | | | |
| 0.00 | 15.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 15.00 | 30.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 30.00 | 45.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 45.00 | 60.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 60.00 | 75.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 75.00 | 90.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 90.00 | 100.00 | | Sqm | 1 | 10.00 | | | | 0.35 | 3.50 | | |
| 100.00 | 113.00 | road | Sqm | 1 | 0.00 | | | | 0.35 | 0.00 | | |
| 113.00 | 128.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 128.00 | 143.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 143.00 | 158.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 158.00 | 173.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 173.00 | 188.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 188.00 | 203.00 | | Sqm | 1 | 15.00 | | | | 0.35 | 5.25 | | |
| 203.00 | 207.00 | | Sqm | 1 | 4.00 | | | | 0.35 | 1.40 | | |
| | | **Total Executed Quantity** | | | | | | | | **2191.33** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **2191.33** | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | **243.22** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **1810.36** | | |
| | | **Now to be paid Quantity** | | | | | | | | **137.76** | 94.93 | 13077.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

RMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No.17 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and directions of the Engineer in charge. | | | | | | | | | | |
| Measurements taken on | | 13/05/2024 | | | | | | | | | | |
| | | Quantity Recorded in 3rd RA Bill | | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | | |
| | | Ramp | | | | | | | | 146.23 | | |
| | | | Cum | 1 | 1.15 | 1.28 | | | | | | |
| | | Concrete around sump | | | Area of Triangle=0.5*3.86*0.6=1.158 | | | | | 1.48 | | |
| | | | Cum | 1 | 4.10 | 3.08 | | | 0.15 | 1.89 | | |
| | | Building Surrounding | | | | | | | | | | |
| | | South Side | | | | | | | | | | |
| | | Rectangle Portion | Cum | 1 | 6.90 | 2.45 | | | | | | |
| | | | Cum | 1 | 6.35 | 0.91 | | | 0.15 | 2.54 | | |
| | | Triangle Portion | Cum | 1 | 1.91 | | | | 0.15 | 0.86 | | |
| | | | | | Area of Triangle=0.5*0.6*6.35=1.905 | | | | 0.15 | 0.29 | | |
| | | West Side | Cum | 1 | 6.85 | 0.67 | | | 0.15 | 0.68 | | |
| | | North Side | Cum | 1 | 13.30 | 1.14 | | | 0.15 | 2.27 | | |
| | | Ramp front side | Cum | 1 | 3.25 | 1.88 | | | 0.15 | 0.92 | | |
| | | Deduction steps | Cum | -1 | 1.20 | 0.60 | | | 0.15 | -0.11 | | |
| | | Compound Wall Front Side | | | | | | | | | | |
| | | Footpath | Cum | 1 | 6.32 | 2.15 | | | 0.15 | 2.04 | | |
| | | | Cum | 1 | 5.03 | 2.07 | | | 0.15 | 1.56 | | |
| | | Deduction | | | | | | | | | | |
| | | Manhole | Cum | -1 | 0.785 | | | | 0.15 | -0.12 | | |
| | | | | | Area of Circle=(3.14*1*1)/4=0.785 | | | | | | | |
| | | Building Front Side | Cum | 1 | 7.07 | 1.72 | | | 0.15 | 1.82 | | |
| | | | Cum | 1 | 0.38 | 0.22 | | | 0.15 | 0.01 | | |
| | | | Cum | 1 | 2.62 | 1.64 | | | 0.15 | 0.64 | | |
| | | Deduction | Cum | -1 | 2.40 | 2.40 | | | 0.15 | -0.86 | | |
| | | Chamber | Cum | -1 | 0.60 | 0.60 | | | 0.15 | -0.05 | | |
| | | | | | | | | | **Subtotal** | **15.87** | | |
| | | | | | | | | | | **162.10** | | |
| | | **Total Executed Quantity** | | | | | | | | **162.10** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **146.23** | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | **15.87** | **6986.50** | **110864.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| Item No.18 | | Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications and directions of the Engineer in charge. | | | | | | | | | **1462.28** | | |
| | | Quantity Recorded in 3rd RA Bill | 03/07/2024 | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | **Shops** | | | | | | | | | | |
| | | **LHS** | | | | | | | | | | |
| 0.00 | 15.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 15.00 | 30.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 30.00 | 45.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 45.00 | 60.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 60.00 | 75.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 75.00 | 90.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 90.00 | 105.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 105.00 | 120.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 120.00 | 135.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 135.00 | 150.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 150.00 | 165.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 165.00 | 180.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 180.00 | 195.00 | | Sqm | 1 | 15.00 | 2.10 | 2.10 | 2.10 | | 31.50 | | |
| 195.00 | 199.60 | | Sqm | 1 | 4.60 | 2.10 | 2.10 | 2.10 | | 9.66 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RHS | | | | | | | | | | |
| 0.00 | 15.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 15.00 | 30.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 30.00 | 45.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 45.00 | 60.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 60.00 | 75.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 75.00 | 90.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 90.00 | 100.00 | road | Sqm | 1 | 10.00 | 5.00 | 5.00 | 5.00 | | 50.00 | | |
| 100.00 | 113.00 | | Sqm | 1 | 0.00 | 5.00 | 5.00 | 5.00 | | 0.00 | | |
| 113.00 | 128.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 128.00 | 143.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 143.00 | 158.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 158.00 | 173.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 173.00 | 188.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 188.00 | 203.00 | | Sqm | 1 | 15.00 | 5.00 | 5.00 | 5.00 | | 75.00 | | |
| 203.00 | 207.00 | | Sqm | 1 | 4.00 | 5.00 | 5.00 | 5.00 | | 20.00 | | |
| | | Deduction | | | | | | | | | | |
| | | Unit 1-Shops | Sqm | -1 | 16.28 | | | 3.17 | | -51.61 | | |
| | | Unit 2-Shops | Sqm | -1 | 9.80 | | | 3.15 | | -30.87 | | |
| | | Unit 3-Shops | Sqm | -1 | 9.80 | | | 3.15 | | -30.87 | | |
| | | Unit 4-Shops | Sqm | -1 | 16.28 | | | 3.20 | | -52.10 | | |
| | | Unit 5-Shops | Sqm | -1 | 16.28 | | | 3.17 | | -51.61 | | |
| | | Unit 6-Shops | Sqm | -1 | 16.28 | | | 3.17 | | -51.61 | | |
| | | Unit 7-Shops | Sqm | -1 | 16.28 | | | 3.17 | | -51.61 | | |
| | | **Total Executed Quantity** | | | | | | | | **2531.18** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **2531.18** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **1462.28** | | |
| | | **Now to be paid Quantity** | | | | | | | | **1068.89** | **1213.93** | **1297562.00** |
| Item No 19 | | Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications and directions of the Engineer in charge. | | | | | | | | | | |
| | | **Item Not Operated** | | | | | | | | | | |
| Item No 20 | | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | **548.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **535.58** | | |
| | | **Tender Quantity** | | | | | | | | **548.00** | | |
| | | **Quantity Upto 125%** | | | | | | | | | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | **548.00** | | |
| | | **Quantity Upto 125%** | | | | | | | | **Nil** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| Item No 21 | | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | **3082.03** | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 10** | | | | | | | | **3082.03** | | |
| | | **Total Executed Quantity** | | | | | | | | **3082.03** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **2722.58** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **359.45** | **72.59** | **26092.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| Item No 22 | | Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead and directions of the Engineer in charge. | | | | | | | | | | |
| | | **Item Not Operated** | | | | | | | | | | |

31/7/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

FACTOR

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 23 | | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 ( For Grading -V Material) and directions of the Engineer in charge | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 11 to 12** | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 312.94 | | |
| | | **Tender Quantity** | | | | | | | | 312.94 | | |
| | | **Quantity upto 125%** | | | | | | | | 206.52 | | |
| | | **Quantity above 125%** | | | | | | | | 258.15 | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | 54.79 | | |
| | | **Now to be paid Quantity** | | | | | | | | 35.91 | | |
| | | **Quantity upto 125%** | | | | | | | | 222.24 | 2621.05 | 582503.00 |
| | | **Quantity above 125%** | | | | | | | | 54.79 | 2620.94 | 143591.00 |
| Item No 24 | | Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density Specification and directions of the Engineer in charge | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 13 to 14** | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 2623.66 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 2623.66 | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | 2623.66 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2448.58 | | |
| Item No 25 | | Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means Specification and directions of the Engineer in charge. | | | | | | | | 175.08 | 2673.54 | 468081.00 |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 19722.30 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 19722.30 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 19722.30 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 26 | | Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 986.12 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 986.12 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 986.12 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 27 | | Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Specification and directions of the Engineer in charge | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 34439.69 | | |
| | | **Tender Quantity** | | | | | | | | 30511.44 | | |
| | | **Quantity Upto 125%** | | | | | | | | 34439.69 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | | | |
| | | **Quantity Upto 125%** | | | | | | | | 34439.69 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 28 | | Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 1377.59 | | |
| | | **Tender Quantity** | | | | | | | | 1220.46 | | |
| | | **Quantity Upto 125%** | | | | | | | | 1377.59 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | | | |
| | | **Quantity Upto 125%** | | | | | | | | 1377.59 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

RMC

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Item No 29 Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area. thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC 35 2015 The finished surface to be level, uniform and free from streaks and holes Specification and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **1119.05** | | |
| | | **Tender Quantity** | | | | | | | | **991.18** | | |
| | | **Quantity Upto 125%** | | | | | | | | **1119.05** | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | | | |
| | | **Quantity Upto 125%** | | | | | | | | **1119.05** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No.30 Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite /trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 15** | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **584.76** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **584.76** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **584.76** | | |
| | | **Now to be paid Quantity** | | | | | | | | **411.00** | | |
| | | Item No.31 Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. | | | | | | | | | | |
| | | Quantity Recorded in 3rd RA Bill 03/07/2024 | | | | | | | | **411.00** | | |
| Measurements taken on | | **Road Beautification** | | | | | | | | | | |
| | | CC Road | | | | | | | | | | |
| | | 1st B Cross Road | | | | | | | | | | |
| 0.00 | 15.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 15.00 | 30.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 30.00 | 45.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 45.00 | 60.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 60.00 | 75.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 75.00 | 90.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 90.00 | 105.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 105.00 | 120.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 120.00 | 135.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 135.00 | 150.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 150.00 | 165.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 165.00 | 180.00 | | Cum | 1 | 4.60 | 4.00 | 4.00 | 4.00 | 0.10 | 1.84 | | |
| 180.00 | 195.00 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 195.00 | 199.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 199.60 | 214.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 214.60 | 229.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 229.60 | 244.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 244.60 | 259.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 259.60 | 274.60 | | Cum | 1 | 15.00 | 4.00 | 4.00 | 4.00 | 0.10 | 6.00 | | |
| 274.60 | 289.60 | | | | | | | | | **526.84** | | |
| | | **Total Executed Quantity** | | | | | | | | **524.48** | | |
| | | **Tender Quantity** | | | | | | | | **526.84** | | |
| | | **Quantity upto 125%** | | | | | | | | **411.00** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | **115.84** | **7635.34** | **884477.00** |
| | | **Quantity upto 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | B2 | Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 32 | | Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm wide at top having depth of 15 mm as directed by Engineer incharge. | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 614.20 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 614.20 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 614.20 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 33 | | Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm to 4 mm joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). and directions of the Engineer in charge. | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 614.20 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 614.20 | | |
| | | **DPQ Qty paid in 3rd RA Bill** | | | | | | | | 614.20 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 34 | | Providing and applying Epoxy paint of approved quality over newly laid cement concrete surface for cycle track with 2coats of primer (@0.35kg/Sqm) one mid coat sprayed at 2.1kg per sqm mixed with m Sand at 3.15kg per Sqm and one top coat sprayed at 0.35kg per Sqm along with marking and painting of cycle symbol at every 50m, arrows at front and back of the cycle symbol and edge lane marking with cleaning making all necessary arrangements before painting of each layer along with all labours, lead lift, transportation of materials, HOM of Machinaries as per approved drawing, specifications and as per the instructions of Engineer In Charge Complete (Data Rate) | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 2047.43 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 2047.43 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 2047.43 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 35 | | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge in Cement motorand directions of the Engineer in charge. | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 15.60 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 15.60 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 15.60 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 36 | | Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 28.44 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 28.44 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 28.44 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 37 | | Demolishing R.C.C work manually by mechanical means including stacking of steel bars and dispoasal of unserviceable material to the appropriate disposal area and directions of the Engineer in charge | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 5.75 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 5.75 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 5.75 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 38 | | Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work In ordinary/soft rock without blasting upto 1.5 m depth and directions of the Engineer in charge | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 16 to 18** | | | | | | | | 4821.26 | | |
| | | **Total Executed Quantity** | | | | | | | | 4821.26 | | |
| | | **Tender Quantity** | | | | | | | | 123.45 | | |
| | | **Quantity upto 125%** | | | | | | | | 154.31 | | |
| | | **Quantity above 125%** | | | | | | | | 4666.94 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 122.17 | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | 32.15 | 303.76 | 9764.00 |
| | | **Quantity above 125%** | | | | | | | | 4666.94 | 303.75 | 1417575.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 39 | | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work Depth exceeding 1.5m, but not exceeding 3 m and directions of the Engineer in charge | | | | | | | | | |
| | | **Total Executed Quantity** | Cum | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 20.91 | | |
| | | **Now to be paid Quantity** | | | | | | | | 20.91 | | |
| | | | | | | | | | | 20.91 | | |
| Item No 40 | | Providing and Filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications. and directions of the Engineer in charge | | | | | | | | Nil | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 19 to 20 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 120.75 | | |
| | | **Tender Quantity** | | | | | | | | 120.75 | | |
| | | **Quantity upto 125%** | | | | | | | | 109.21 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 120.75 | | |
| | | **Now to be paid Quantity** | | | | | | | | 26.62 | | |
| | | **Quantity upto 125%** | | | | | | | | 94.14 | 2860.04 | 269231.00 |
| Item No. 41 | | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 21 to 22 | | | | | | | | 649.74 | | |
| | | **Total Executed Quantity** | | | | | | | | 649.74 | | |
| | | **Tender Quantity** | | | | | | | | 239.60 | | |
| | | **Quantity upto 125%** | | | | | | | | 299.50 | | |
| | | **Quantity above 125%** | | | | | | | | 350.24 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 16.87 | | |
| | | **Now to be paid Quantity** | | | | | | | | 282.63 | 227.82 | 64389.00 |
| | | **Quantity upto 125%** | | | | | | | | 350.24 | 227.81 | 79789.00 |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 42 | | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 and directions of the Engineer in charge. | | | | | | | | | | |
| Measurements taken on | | | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 23 to 25 | | | | | | | | 374.55 | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Compound wall | Cum | 1 | 14.2 | | | 0.45 | 0.45 | 2.88 | | |
| | | | | | | | | | | 377.42 | | |
| | | **Total Executed Quantity** | | | | | | | | 354.36 | | |
| | | **Tender Quantity** | | | | | | | | 377.42 | | |
| | | **Quantity upto 125%** | | | | | | | | 83.38 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 294.05 | 6055.11 | 1780500.00 |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| Item No 43 | | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 26 | | | | | | | | 8.23 | | |
| | | **Total Executed Quantity** | | | | | | | | 8.23 | | |
| | | **Tender Quantity** | | | | | | | | 3.91 | | |
| | | **Quantity upto 125%** | | | | | | | | 4.89 | | |
| | | **Quantity above 125%** | | | | | | | | 3.34 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 3.86 | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | 1.03 | 7386.24 | 7627.00 |
| | | **Quantity above 125%** | | | | | | | | 3.34 | 7025.96 | 23478.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Item No.44 Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA) and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 27** | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Tender Quantity** | | | | | | | | 125.22 | | |
| | | **Quantity upto 125%** | | | | | | | | 125.22 | | |
| | | **Quantity above 125%** | | | | | | | | 94.28 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 117.85 | | |
| | | **Now to be paid Quantity** | | | | | | | | 7.37 | | |
| | | **Quantity upto 125%** | | | | | | | | 10.74 | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| | | | | | | | | | | 107.11 | 7580.39 | 811962.00 |
| | | | | | | | | | | 7.37 | 10015.30 | 73797.00 |
| | | Item No.45 Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA) and directions of the Engineer in charge. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 0.53 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 0.53 | | |
| | | **Now to be paid Quantity** | | | | | | | | 0.53 | | |
| | | | | | | | | | | Nil | | |
| | | Item No.46 Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA) and directions of the Engineer in charge. | | | | | | | | | | |
| | | **Item Not Operated** | | | | | | | | | | |
| | | Item No.47 Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | | | | | | | | | | |
| | | Measurement taken on 3/03/2023 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Ground Floor** | Cum | 9 | 0.45 | 0.20 | | | 3.00 | 2.43 | | |
| | | Column above GL | | | | | | | | 2.43 | | |
| | | **Total Executed Quantity** | | | | | | | | 2.43 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 2.43 | 7975.06 | 19380.00 |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | Item No. 48 Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | | | | | | | | | | |
| | | Measurement taken on 03/03/2023 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Ground Floor-Roof beam** | Cum | 1 | 1.75 | 0.20 | | | 0.30 | 0.11 | | |
| | | B1 Along Grid A b/w 1&4 | Cum | 1 | 2.15 | 0.20 | | | 0.45 | 0.19 | | |
| | | B6 Along Grid B b/w 1&4 | Cum | 1 | 4.35 | 0.45 | | | 0.15 | 0.29 | | |
| | | Beam CB Along Grid C b/w 2&5 | Cum | 1 | 3.84 | 0.45 | | | 0.15 | 0.26 | | |
| | | Beam CB Along Grid D b/w 2&6 | Cum | 2 | 3.21 | 0.20 | | | 0.30 | 0.39 | | |
| | | B2 Along Grid E&F b/w 4&7 | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Beam SB Along Grid 4 b/w E&F | Cum | 1 | 2.50 | 0.20 | | | 0.45 | 0.23 | | |
| | | B3 Along Grid 7 b/w E&F | Cum | 1 | 2.50 | 0.20 | | | 0.30 | 0.15 | | |
| | | B4 Near Grid 4 b/w B,C,D,E | Cum | 1 | 6.32 | 0.20 | | | 0.45 | 0.57 | | |
| | | B4 Near Grid 7 b/w B,C,D,E | Cum | 1 | 5.85 | 0.20 | | | 0.45 | 0.53 | | |
| | | B5 along Grid 1 b/w A&A' | Cum | 1 | 2.82 | 0.20 | | | 0.30 | 0.17 | | |
| | | **Ground Floor Slab** | | | | | | | | | | |
| | | Slab b/w A-A' and grid 1-4 | Cum | 1 | 2.30 | 3.02 | | | 0.15 | 1.04 | | |
| | | Slab b/w B'-B and Grid 1-4 | Cum | 1 | 2.40 | 2.20 | | | 0.15 | 0.79 | | |
| | | Slab b/w B-C and Grid 2-6 | Cum | 1 | 4.09 | 2.79 | | | 0.15 | 1.71 | | |
| | | | Cum | 1 | 1.26 | | | | 0.15 | 0.19 | | |
| | | | | | Triangular area= 0.5*0.9*2.79=1.255 | | | | | | | |
| | | | Cum | 1 | 0.38 | | | | 0.15 | 0.06 | | |
| | | | | | Triangular area= 0.5*0.27*2.79=0.377 | | | | | | | |
| | | Slab b/w C-D and Grid 3-6 | Cum | 1 | 3.66 | 2.10 | | | 0.15 | 1.15 | | |
| | | | Cum | 1 | 0.70 | | | | 0.15 | 0.11 | | |
| | | | | | Triangular area= 0.5*0.67*2.1=0.703 | | | | | | | |
| | | | Cum | 1 | 0.21 | | | | 0.15 | 0.03 | | |
| | | | | | Triangular area= 0.5*0.20*2.1=0.21 | | | | | | | |
| | | Slab b/w D-E and Grid 4-7 | Cum | 1 | 3.37 | 1.42 | | | 0.15 | 0.72 | | |
| | | | Cum | 1 | 0.32 | | | | 0.15 | 0.05 | | |
| | | | | | Triangular area= 0.5*0.45*1.42=0.319 | | | | | | | |
| | | | Cum | 1 | 0.10 | | | | 0.15 | 0.01 | | |
| | | | | | Triangular area= 0.5*0.138*1.42=0.098 | | | | | | | |
| | | **Groundfloor-Staircase** | | | | | | | | | | |
| | | Flight 1-waist slab | Cum | 1 | 3.36 | 1.23 | | | 0.15 | 0.62 | | |
| | | Flight 2-waist slab | Cum | 1 | 1.92 | 1.23 | | | 0.15 | 0.35 | | |
| | | Landing-1&2 | Cum | 2 | 1.72 | 1.23 | | | 0.15 | 0.63 | | |
| | | Steps | Cum | 17 | 1.23 | | | | 0.02 | 0.46 | | |
| | | | | | Triangular area 0.5*0.25*0.175=0.022 | | | | | | | |
| | | Landing at floor level | Cum | 1 | 1.23 | 1.77 | | | 0.15 | 0.33 | | |
| | | slab projected-near staircase | Cum | 1 | 2.90 | 0.69 | | | 0.15 | 0.30 | | |
| | | **Road Beautification-Shops** | | | | | | | | | | |
| | | **Roof Beam** | | | | | | | | | | |
| | | **Unit 1-5 shops** | | | | | | | | | | |
| | | Longer side | Cum | 2 | 16.38 | 0.23 | | | 0.23 | 1.73 | | |
| | | shorter side | Cum | 6 | 2.82 | 0.23 | | | 0.23 | 0.89 | | |
| | | Deduction | Cum | 2 | 16.38 | 0.06 | | | 0.06 | -0.13 | | |
| | | | Cum | 12 | 0.23 | 0.06 | | | 0.06 | -0.01 | | |
| | | **Unit 2-3 shops** | | | | | | | | | | |
| | | Longer side | Cum | 2 | 9.92 | 0.23 | | | 0.23 | 1.05 | | |
| | | shorter side | Cum | 4 | 2.82 | 0.23 | | | 0.23 | 0.60 | | |
| | | Deduction | Cum | 2 | 9.92 | 0.06 | | | 0.06 | -0.08 | | |
| | | | Cum | 8 | 0.23 | 0.06 | | | 0.06 | -0.01 | | |
| | | **Unit 3-3 shops** | | | | | | | | | | |
| | | Longer side | Cum | 2 | 9.92 | 0.23 | | | 0.23 | 1.05 | | |
| | | shorter side | Cum | 4 | 2.82 | 0.23 | | | 0.23 | 0.60 | | |
| | | Deduction | Cum | 2 | 9.92 | 0.06 | | | 0.06 | -0.08 | | |
| | | | Cum | 8 | 0.23 | 0.06 | | | 0.06 | -0.01 | | |
| | | **Unit 4-5 shops** | | | | | | | | | | |
| | | Longer side | Cum | 1 | 16.38 | 0.23 | | | 0.23 | 0.87 | | |
| | | shorter side | Cum | 6 | 2.82 | 0.23 | | | 0.23 | 0.89 | | |

3/3/23

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

3/3/23

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Deduction | | | | | | | | | | |
| | | | Cum | 2 | 16.38 | 0.06 | | | 0.06 | -0.13 | | |
| | | | Cum | 12 | 0.23 | 0.06 | | | 0.06 | -0.01 | | |
| | | **Unit 5-5 shops** | | | | | | | | | | |
| | | Longer side | Cum | 2 | 16.38 | 0.23 | | | 0.23 | 1.73 | | |
| | | shorter side | Cum | 6 | 2.82 | 0.23 | | | 0.23 | 0.89 | | |
| | | Deduction | | | | | | | | | | |
| | | | Cum | 2 | 16.38 | 0.06 | | | 0.06 | -0.13 | | |
| | | | Cum | 12 | 0.23 | 0.06 | | | 0.06 | -0.01 | | |
| | | **Unit 6-5 shops** | | | | | | | | | | |
| | | Longer side | Cum | 2 | 16.38 | 0.23 | | | 0.23 | 1.73 | | |
| | | shorter side | Cum | 6 | 2.82 | 0.23 | | | 0.23 | 0.89 | | |
| | | Deduction | | | | | | | | | | |
| | | | Cum | 2 | 16.38 | 0.06 | | | 0.06 | 0.13 | | |
| | | | Cum | 12 | 0.23 | 0.06 | | | 0.06 | 0.01 | | |
| | | **Unit 7-5 shops** | | | | | | | | | | |
| | | Longer side | Cum | 2 | 16.38 | 0.23 | | | 0.23 | 1.73 | | |
| | | shorter side | Cum | 6 | 2.82 | 0.23 | | | 0.23 | 0.89 | | |
| | | Deduction | | | | | | | | | | |
| | | | Cum | 2 | 16.38 | 0.06 | | | 0.06 | 0.13 | | |
| | | | Cum | 12 | 0.23 | 0.06 | | | 0.06 | 0.01 | | |
| | | **Total Executed Quantity** | | | | | | | | **26.67** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **26.67** | | |
| | | **Now to be paid Quantity** | | | | | | | | **26.67** | **8700.06** | **232032.00** |

Item No.49 — Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge

**Item Not Operated**

Item No.50 — Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge

Measurement taken on 15/03/2023

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Senior Citizen Building** | | | | | | | | | | |
| **First Floor** | | | | | | | | | | |
| **Column** | | | | | | | | | | |
| **Column above existing column** | | | | | | | | | | |
| Column Along grid A b/w 4 &6 | Cum | 2 | 0.30 | 0.17 | | | 3.00 | 0.31 | | |
| Column Along grid A'&1 | Cum | 1 | 0.45 | 0.20 | | | 3.00 | 0.27 | | |
| Column Along grid A'&4' | Cum | 1 | 0.45 | 0.20 | | | 3.00 | 0.27 | | |
| Column Along grid A"&1 | Cum | 1 | 0.45 | 0.20 | | | 3.00 | 0.27 | | |
| Column Along grid A"&4' | Cum | 1 | 0.45 | 0.20 | | | 3.00 | 0.54 | | |
| Column Along grid B"b/w 1&4' | Cum | 2 | 0.45 | 0.20 | | | 3.00 | 0.55 | | |
| Column along grid B' b/w 1&4 | Cum | 2 | 0.40 | 0.23 | | | 3.00 | 0.27 | | |
| Column along grid B'&4' | Cum | 1 | 0.45 | 0.20 | | | 3.00 | 0.55 | | |
| Column along grid B b/w 1&4 | Cum | 2 | 0.40 | 0.23 | | | 3.00 | 0.27 | | |
| Column along grid B&4' | Cum | 1 | 0.45 | 0.20 | | | | | | |
| **Column above new column** | | | | | | | 3.00 | 0.54 | | |
| C1 | Cum | 2 | 0.45 | 0.20 | | | 3.00 | 0.54 | | |
| C2 | Cum | 2 | 0.45 | 0.20 | | | 3.00 | 0.54 | | |
| C1' | Cum | 2 | 0.45 | 0.20 | | | 3.00 | 0.54 | | |
| C2' | Cum | 1 | 0.45 | 0.20 | | | 3.00 | 0.27 | | |
| C3 | | | | | | | | | | |
| | | | | | | | | | | |
| **Terrace Floor** | | | | | | | 0.89 | 0.09 | | |
| **Column above existing column** | | | | | | | 0.89 | 0.08 | | |
| Column Along grid A b/w 4 &6 | Cum | 2 | 0.30 | 0.17 | | | | | | |
| Column Along grid A'&1 | Cum | 1 | 0.45 | 0.20 | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Column Along grid A'&4' | Cum | 1 | 0.45 | 0.20 | | | 0.89 | 0.08 | | |
| | | Column Along grid A"&1 | Cum | 1 | 0.45 | 0.20 | | | 0.89 | 0.08 | | |
| | | Column Along grid A"&4' | Cum | 1 | 0.45 | 0.20 | | | 0.89 | 0.08 | | |
| | | Column Along grid B"b/w 1&4' | Cum | 2 | 0.45 | 0.20 | | | 0.89 | 0.16 | | |
| | | Column along grid B' b/w 1&4 | Cum | 2 | 0.40 | 0.23 | | | 0.89 | 0.16 | | |
| | | Column along grid B b/w 1&4 | Cum | 2 | 0.40 | 0.23 | | | 0.89 | 0.16 | | |
| | | **Column above new column** | | | | | | | | | | |
| | | C1 | Cum | 2 | 0.45 | 0.20 | | | 0.89 | 0.16 | | |
| | | C2 | Cum | 2 | 0.45 | 0.20 | | | 0.89 | 0.16 | | |
| | | C1' | Cum | 2 | 0.45 | 0.20 | | | 2.41 | 0.43 | | |
| | | C2' | Cum | 2 | 0.45 | 0.20 | | | 2.41 | 0.43 | | |
| | | C3 | Cum | 1 | 0.45 | 0.20 | | | 0.89 | 0.08 | | |
| | | **Total Executed Quantity** | | | | | | | | **8.17** | | |
| | | **Tender Quantity** | | | | | | | | **6.25** | | |
| | | **Quantity upto 125%** | | | | | | | | **7.76** | | |
| | | **Quantity above 125%** | | | | | | | | **0.40** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **7.76** | **8054.81** | **62526.00** |
| | | **Quantity above 125%** | | | | | | | | **0.40** | **11812.73** | **4779.00** |

Item No 51

Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.

Measurement taken on 13/04/2024

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Senior Citizen Building** | | | | | | | | | | |
| **First Floor Beam** | | | | | | | | | | |
| B1 along Grid A between 1 & 4' | Cum | 1 | 4.35 | 0.20 | | | 0.45 | 0.39 | | |
| B2 along Grid A',A",B"between 1 & 5' | Cum | 3 | 4.50 | 0.20 | | | 0.45 | 1.22 | | |
| B3 Along Grid B & B' between 1 & 5' | Cum | 2 | 4.30 | 0.20 | | | 0.45 | 0.77 | | |
| B4 Along Grid C between 2 & 5 | Cum | 1 | 4.35 | 0.20 | | | 0.45 | 0.39 | | |
| B5 Along Grid D between 3 & 6 | Cum | 1 | 3.84 | 0.20 | | | 0.45 | 0.35 | | |
| B6 Along Grid E & F between 4 & 7 | Cum | 2 | 3.21 | 0.20 | | | 0.45 | 0.58 | | |
| B7 along Grid 4 b/w B,C,D,E | Cum | 1 | 6.32 | 0.20 | | | 0.45 | 0.57 | | |
| B7 b/w Grid F&E and SB | Cum | 2 | 2.50 | 0.20 | | | 0.45 | 0.45 | | |
| B7 along Grid 7 b/w B,C,D,E | Cum | 1 | 5.85 | 0.20 | | | 0.45 | 0.53 | | |
| B7 along Grid 1 b/w B-A | Cum | 1 | 12.48 | 0.20 | | | 0.45 | 1.12 | | |
| Beam CB b/w Grid B-B' | Cum | 1 | 2.20 | 0.45 | | | 0.15 | 0.15 | | |
| B7 along Grid 5 b/w B-A | Cum | 1 | 12.51 | 0.20 | | | 0.45 | 1.13 | | |
| **Deduction** | | | | | | | | | | |
| Column near CB b/w Grid B-B' | Cum | -2 | 0.25 | 0.45 | | | 0.15 | -0.03 | | |
| **Terrace Beam** | | | | | | | | | | |
| B6 Along Grid E & F between 4 & 7 | Cum | 2 | 3.21 | 0.20 | | | 0.30 | 0.39 | | |
| B7 b/w Grid F&E | Cum | 2 | 2.50 | 0.20 | | | 0.30 | 0.30 | | |
| **First Floor Slab** | | | | | | | | | | |
| Slab b/w grid A-A' | Cum | 1 | 5.00 | 2.82 | | | 0.15 | 2.12 | | |
| Slab b/w grid A'-A" | Cum | 1 | 5.00 | 2.10 | | | 0.15 | 1.58 | | |
| Slab b/w grid A"-B" | Cum | 1 | 5.00 | 2.30 | | | 0.15 | 1.73 | | |
| Slab b/w grid B"-B' | Cum | 1 | 5.00 | 3.06 | | | 0.15 | 2.30 | | |
| Slab b/w B'-B | Cum | 2 | 2.28 | 2.20 | | | 0.15 | 1.50 | | |
| Slab b/w B-C | Cum | 1 | 4.09 | 2.79 | | | 0.15 | 1.71 | | |
| | Cum | 1 | 1.26 | Triangular area= 0.5*0.9*2.79=1.255 | | | 0.15 | 0.19 | | |
| | Cum | 1 | 0.38 | Triangular area= 0.5*0.27*2.79=0.377 | | | 0.15 | 0.06 | | |

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

RUDRAPRASAD CONSULTANTS BANGALORE

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Slab b/w C-D | Cum | 1 | 3.66 | 2.10 | | | 0.15 | 1.15 | | |
| | | | Cum | 1 | 0.70 | | | | 0.15 | 0.11 | | |
| | | | | | Triangular area= 0.5*0.67*2.1=0.703 | | | | | | | |
| | | | Cum | 1 | 0.21 | | | | | | | |
| | | | | | Triangular area= 0.5*0.20*2.1=0.21 | | | | 0.15 | 0.03 | | |
| | | Slab b/w D-E | Cum | 1 | 3.37 | 1.42 | | | | | | |
| | | | Cum | 1 | 0.32 | | | | 0.15 | 0.72 | | |
| | | | | | Triangular area= 0.5*0.45*1.42=0.319 | | | | 0.15 | 0.05 | | |
| | | | Cum | 1 | 0.10 | | | | | | | |
| | | | | | Triangular area= 0.5*0.138*1.42=0.098 | | | | 0.15 | 0.01 | | |
| | | **Terrace slab** | | | | | | | | | | |
| | | Slab above staircase | Cum | 1 | 3.76 | 2.50 | | | 0.15 | 1.41 | | |
| | | slab projected-near staircase | Cum | 1 | 2.90 | 0.69 | | | 0.15 | 0.30 | | |
| | | **First Floor-Staircase** | | | | | | | | | | |
| | | Flight 1-waist slab | Cum | 1 | 3.36 | 1.23 | | | 0.15 | 0.62 | | |
| | | Flight 2-waist slab | Cum | 1 | 1.92 | 1.23 | | | 0.15 | 0.35 | | |
| | | Landing-1&2 | Cum | 2 | 1.72 | 1.23 | | | 0.15 | 0.63 | | |
| | | Steps | Cum | 17 | 1.23 | | | | 0.02 | 0.46 | | |
| | | | | | Triangular area 0.5*0.25*0.175=0.022 | | | | | | | |
| | | Landing at floor level | Cum | 1 | 1.23 | 1.77 | | | 0.15 | 0.33 | | |
| | | slab projected-near staircase | Cum | 1 | 2.90 | 0.69 | | | 0.15 | 0.30 | | |
| | | **Total Executed Quantity** | | | | | | | | **25.93** | | |
| | | **Tender Quantity** | | | | | | | | **25.85** | | |
| | | **Quantity upto 125%** | | | | | | | | **25.93** | | |
| | | **Now to be paid Quantity** | | | | | | | | **25.93** | **8787.06** | **227860.00** |
| | | **Quantity upto 125%** | | | | | | | | | | |

Item No 52 — Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge

Measurement taken on 13/04/2023

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Senior Citizen Building** | | | | | | | | | |
| | **Ground Floor** | | | | | | | | | |
| | **Lintel Beam(200x150)** | | | | | | 0.15 | 0.05 | | |
| | LB Along Grid A b/w 1&4 | Cum | 1 | 1.75 | 0.20 | | 0.15 | 0.06 | | |
| | LB Along Grid B b/w 1&4 | Cum | 1 | 2.15 | 0.20 | | 0.15 | 0.10 | | |
| | LB Along Grid E b/w 4&7 | Cum | 1 | 3.21 | 0.20 | | 0.15 | 0.19 | | |
| | LB Near Grid 4 b/w B,C,D,E | Cum | 1 | 6.32 | 0.20 | | 0.15 | 0.18 | | |
| | LB Near Grid 7 b/w B,C,D,E | Cum | 1 | 5.85 | 0.20 | | 0.15 | 0.08 | | |
| | LB along Grid 1 b/w A&A' | Cum | 1 | 2.82 | 0.20 | | 0.15 | 0.09 | | |
| | LB b/w room and toilet | Cum | 1 | 2.90 | 0.20 | | | | | |
| | **First Floor** | | | | | | 0.15 | 0.13 | | |
| | **Lintel Beam(200x150)** | | | | | | 0.15 | 0.10 | | |
| | LB along Grid A between 1 & 4' | Cum | 1 | 4.35 | 0.20 | | 0.15 | 0.19 | | |
| | LB Along Grid E between 4 & 7 | Cum | 1 | 3.21 | 0.20 | | 0.15 | 0.18 | | |
| | LB along Grid 4 b/w B,C,D,E | Cum | 1 | 6.32 | 0.20 | | 0.15 | 0.75 | | |
| | LB along Grid 7 b/w B,C,D,E | Cum | 1 | 5.85 | 0.20 | | 0.15 | 0.14 | | |
| | LB along Grid 1&4 b/w B-A | Cum | 2 | 12.48 | 0.20 | | 0.15 | 0.09 | | |
| | LB along grid A' b/w 1 & 4' | Cum | 1 | 4.50 | 0.20 | | | 2.31 | | |
| | LB Inner side | Cum | 1 | 2.90 | 0.20 | | | 2.05 | | |
| | **Total Executed Quantity** | | | | | | | 2.31 | | |
| | **Tender Quantity** | | | | | | | 2.31 | 8787.06 | 20320.00 |
| | **Quantity upto 125%** | | | | | | | | | |
| | **Now to be paid Quantity** | | | | | | | | | |
| | **Quantity upto 125%** | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No. 53 | | Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Ground Floor Chejja** | | | | | | | | | | |
| | | W1 | Cum | 1 | 1.80 | 0.45 | | | 0.10 | 0.08 | | |
| | | W | Cum | 3 | 1.50 | 0.45 | | | 0.10 | 0.20 | | |
| | | **First Floor Chejja** | | | | | | | | | | |
| | | W1 | Cum | 1 | 1.80 | 0.45 | | | 0.10 | 0.08 | | |
| | | W | Cum | 9 | 1.50 | 0.45 | | | 0.10 | 0.61 | | |
| | | V | Cum | 1 | 1.20 | 0.45 | | | 0.10 | 0.05 | | |
| | | **Total Executed Quantity** | | | | | | | | **1.03** | | |
| | | **Tender Quantity** | | | | | | | | **0.86** | | |
| | | **Quantity upto 125%** | | | | | | | | **1.03** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **1.03** | **10617.71** | **10894.00** |
| Item No. 54 | | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R C C work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | | kg | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 28** | | | | | | | | **23180.18** | | |
| | | **Total Executed Quantity** | | | | | | | | **23180.18** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **23180.18** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **1481.06** | | |
| | | **Now to be paid Quantity** | | | | | | | | **21699.13** | **118.38** | **2568742.00** |
| Item No. 55 | | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | | kg | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 29** | | | | | | | | **3903.68** | | |
| | | **Total Executed Quantity** | | | | | | | | **3903.68** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **3903.68** | | |
| | | **Now to be paid Quantity** | | | | | | | | **3903.68** | **119.57** | **466764.00** |
| Item No. 56 | | Providing Tile brick masonry with common burnt clay Non Modular tile bricks of class designation 5.0 conforming to IS 2690 (Part 1) in superstructure above plinth level up to floor I level in cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete and as per the direction of engineer incharge of work . | | | | | | | | | | |
| Measurement taken on | | 10/05/2024 | | | | | | | | | | |
| | | **Road Beautification -shops** | | | | | | | | | | |
| | | **Unit-1** | | | | | | | | | | |
| | | **5 Shops** | Cum | 1 | 16.20 | 0.23 | | | 2.75 | 10.25 | | |
| | | Long Wall | Cum | 1 | 2.93 | 0.23 | | | 2.87 | 1.93 | | |
| | | Short Wall | Cum | 1 | 2.94 | 0.23 | | | 2.89 | 1.95 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.98 | 0.23 | | | 2.87 | 1.96 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.87 | 1.94 | | |
| | | | Cum | | | | | | | | | |
| | | | | | | | | | 2.75 | 6.20 | | |
| | | **Unit-2** | | 1 | 9.80 | 0.23 | | | 2.87 | 7.67 | | |
| | | **3 Shops** | Cum | 4 | 2.91 | 0.23 | | | | | | |
| | | Long Wall | Cum | | | | | | | | | |
| | | Short Wall | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Unit-3** | | | | | | | | | | |
| | | **3 Shops** | | | | | | | | | | |
| | | Long Wall | Cum | 1 | 9.80 | 0.23 | | | 2.75 | 6.20 | | |
| | | Short Wall | Cum | 1 | 2.93 | 0.23 | | | 2.87 | 1.93 | | |
| | | | Cum | 1 | 2.95 | 0.23 | | | 2.87 | 1.94 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.87 | 1.94 | | |
| | | | Cum | 1 | 2.92 | 0.23 | | | 2.87 | 1.92 | | |
| | | **Unit-4** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | Long Wall | Cum | 1 | 16.28 | 0.23 | | | 2.75 | 10.30 | | |
| | | Short Wall | Cum | 1 | 2.93 | 0.23 | | | 2.87 | 1.93 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.89 | 1.95 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.98 | 0.23 | | | 2.87 | 1.96 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.87 | 1.94 | | |
| | | **Unit-5** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | Long Wall | Cum | 1 | 16.28 | 0.23 | | | 2.75 | 10.30 | | |
| | | Short Wall | Cum | 1 | 2.93 | 0.23 | | | 2.87 | 1.93 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.89 | 1.95 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.98 | 0.23 | | | 2.87 | 1.96 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.87 | 1.94 | | |
| | | **Unit-6** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **Long Wall** | Cum | 1 | 16.28 | 0.23 | | | 2.75 | 10.30 | | |
| | | **Short Wall** | Cum | 1 | 2.93 | 0.23 | | | 2.87 | 1.93 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.89 | 1.95 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.98 | 0.23 | | | 2.87 | 1.96 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.87 | 1.94 | | |
| | | **Unit-7** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **Long Wall** | Cum | 1 | 16.28 | 0.23 | | | 2.75 | 10.30 | | |
| | | **Short Wall** | Cum | 1 | 2.93 | 0.23 | | | 2.87 | 1.93 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.89 | 1.95 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.98 | 0.23 | | | 2.87 | 1.96 | | |
| | | | Cum | 1 | 2.96 | 0.23 | | | 2.87 | 1.95 | | |
| | | | Cum | 1 | 2.94 | 0.23 | | | 2.87 | 1.94 | | |
| | | **Deduction** | Cum | -31 | 2.38 | 0.23 | | | 0.85 | -14.42 | | |
| | | V | | | | | | | | | **123.25** | |
| | | **Total Executed Quantity** | | | | | | | | | **114.00** | |
| | | **Tender Quantity** | | | | | | | | | **123.25** | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | | **123.25** | **12589.32** | **1551619.00** |
| | | **Quantity upto 125%** | | | | | | | | | | |

Item No 57 — Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572 2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications, and as per the direction of engineer incharge of work.

Measurement taken on 13/04/2024

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Senior Citizen Building** | | | | | | | | | | |
| **Ground Floor** | | | | | | | | | | |
| Backwall room dead end | Sqm | 1 | 2.20 | | | | 2.55 | 5.61 | | |
| Wall b/w room and toilet | Sqm | 1 | 2.97 | | | | 2.85 | 8.46 | | |
| Left Wall-room | Sqm | 1 | 2.97 | | | | 2.55 | 7.57 | | |
| Storeroom front wall | Sqm | 1 | 2.12 | | | | 2.55 | 5.41 | | |
| Cross wall-Left | Sqm | 1 | 7.05 | | | | 2.55 | 17.98 | | |
| Cross wall-Right | Sqm | 1 | 5.72 | | | | 2.55 | 14.59 | | |
| Front wall-near stairs | Sqm | 1 | 2.03 | | | | 2.55 | 5.16 | | |
| | | 1 | 1.27 | | | | | | | |
| Stairwall -left side | Sqm | 1 | 3.27 | | | | 1.30 | 4.25 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer
Yelahanka Division
B.B.M.P Bangalore-64

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | B2 | Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Stairwall -back side | Sqm | 1 | 2.40 | | | | 1.02 | 2.45 | | |
| | | At entrance-steps | Sqm | 1 | 1.04 | | | | 0.15 | 0.16 | | |
| | | | Sqm | 1 | 1.04 | | | | 0.30 | 0.31 | | |
| | | | Sqm | 1 | 1.04 | | | | 0.45 | 0.47 | | |
| | | | Sqm | 1 | 0.90 | | | | 0.60 | 0.54 | | |
| | | At entrance | | | | | | | | | | |
| | | Landing | Sqm | 1 | 0.90 | | | | 0.60 | 0.54 | | |
| | | | Sqm | 2 | 2.06 | | | | 0.60 | 2.47 | | |
| | | Compound wall | Sqm | 1 | 14.20 | | | | 1.08 | 15.27 | | |
| | | Around Transformer | Sqm | 2 | 2.35 | | | | 0.20 | 0.94 | | |
| | | | Sqm | 1 | 4.35 | | | | 0.20 | 0.87 | | |
| | | Steps Near Gate | Sqm | 1 | 1.20 | | | | 0.15 | 0.18 | | |
| | | | Sqm | 1 | 1.20 | | | | 0.30 | 0.36 | | |
| | | **Deduction** | | | | | | | | | | |
| | | W1-near room | Sqm | -1 | 1.50 | | | | 1.20 | -1.80 | | |
| | | W | Sqm | -5 | 1.20 | | | | 1.20 | -7.20 | | |
| | | D1 Storeroom | Sqm | -1 | 2.10 | | | | 2.10 | -2.10 | | |
| | | D -room | Sqm | -1 | 2.10 | | | | 2.10 | -2.10 | | |
| | | Columns-cross wall left side | Sqm | -1 | 0.90 | | | | 2.55 | -2.30 | | |
| | | Columns-cross wall right side | Sqm | -1 | 0.45 | | | | 2.55 | -2.30 | | |
| | | Columns-cross wall right side | Sqm | -1 | 0.90 | | | | 2.55 | -0.51 | | |
| | | **Total Executed Quantity** | | | | | | | | 75.28 | | |
| | | **Tender Quantity** | | | | | | | | 0.34 | | |
| | | **Quantity upto 125%** | | | | | | | | 0.43 | | |
| | | **Quantity above 125%** | | | | | | | | 74.86 | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | 0.43 | 1191.59 | 507.00 |
| | | **Quantity above 125%** | | | | | | | | 74.86 | 1184.84 | 88696.00 |

Item No 58 Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - 1) - 2005 and constructed with CM 1:4 as per IS 2572 2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and as per the direction of engineer incharge of work

Measurement taken on 13/04/2023

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Senior Citizen Building** | | | | | | | | | | |
| **First Floor** | | | | | | | | | | |
| Wall-Back wall | Sqm | 1 | 5.38 | | | | 2.55 | 13.72 | | |
| Wall-Front wall | Sqm | 1 | 3.38 | | | | 2.55 | 8.62 | | |
| Cross wall-left side | Sqm | 1 | 5.91 | | | | 2.55 | 15.07 | | |
| Cross wall-right side | Sqm | 1 | 5.75 | | | | 2.55 | 14.66 | | |
| Side wall-left side | Sqm | 1 | 12.17 | | | | 2.55 | 31.03 | | |
| Side wall-right side | Sqm | 1 | 11.82 | | | | 2.55 | 30.14 | | |
| Innerwall -vertical | Sqm | 1 | 2.93 | | | | 2.55 | 7.47 | | |
| Innerwall- horizontal | Sqm | 1 | 4.50 | | | | 2.55 | 11.48 | | |
| **Meeting Hall-stage** | Sqm | 2 | 1.62 | | | | 0.20 | 0.65 | | |
| | Sqm | 1 | 2.80 | | | | 0.20 | 0.56 | | |
| Staircase -left side | Sqm | 1 | 3.27 | | | | 1.30 | 4.25 | | |
| **Deduction** | | | | | | | | | | |
| Column back wall-C3 | Sqm | -1 | 0.45 | | | | 2.55 | -1.15 | | |
| Column back wall-existing | Sqm | -1 | 0.30 | | | | 2.55 | -0.77 | | |
| Column front wall-C1' | Sqm | -1 | 0.30 | | | | 2.55 | -0.77 | | |
| Door D1 | Sqm | -1 | 1.00 | | | | 2.10 | -2.10 | | |
| UPVC door | Sqm | -1 | 0.75 | | | | 2.00 | -1.50 | | |
| MD | Sqm | -1 | 4.00 | | | | 2.10 | -2.10 | | |
| Window W1 | Sqm | -1 | 1.50 | | | | 1.20 | -1.80 | | |
| Window W | Sqm | -12 | 1.20 | | | | 1.20 | -17.28 | | |
| Ventilator V | | 1 | 0.90 | | | | 0.60 | -0.54 | | |
| **Terrace** | | | | | | | | | | |
| parapet wall-left | Sqm | 1 | 20.30 | | | | 0.89 | 18.07 | | |
| parapet wall-right | Sqm | 1 | 19.98 | | | | 0.89 | 17.98 | | |
| parapet wall-back | Sqm | 1 | 3.27 | | | | 0.89 | 4.79 | | |
| staircase wall-left | Sqm | 1 | 2.00 | | | | 1.30 | 4.25 | | |
| staircase wall-right | Sqm | 1 | | | | | 2.00 | 4.00 | | |
| Single coarse above headroom | Sqm | 2 | 2.90 | | | | 0.20 | 1.16 | | |
| Above headroom-shorter side | | | | | | | | | | |

Executive Engineer Yelahanka Division B.B.M.P Bangalore-64

13/4/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Above headroom-longer side | Sqm | 2 | 4.40 | | | | 0.20 | 1.76 | | |
| | | **Deduction** | | | | | | | | | | |
| | | Columns-Left wall side | Sqm | -2 | 0.45 | | | | 0.89 | -0.80 | | |
| | | Columns-Left wall side | Sqm | -5 | 0.20 | | | | 0.89 | -0.89 | | |
| | | Columns-Right wall side | Sqm | -2 | 0.45 | | | | 0.89 | -0.80 | | |
| | | Columns-Right wall side | Sqm | -5 | 0.20 | | | | 0.89 | -0.89 | | |
| | | Columns-back side | Sqm | -2 | 0.30 | | | | 0.89 | -0.80 | | |
| | | Columns-back side | Sqm | -2 | 0.30 | | | | 0.89 | -0.40 | | |
| | | **Total Executed Quantity** | | | | | | | | -0.53 | | |
| | | **Tender Quantity** | | | | | | | | **157.34** | | |
| | | **Quantity upto 125%** | | | | | | | | **128.89** | | |
| | | **Now to be paid Quantity** | | | | | | | | **157.34** | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | | | | | | | | | **157.34** | **1203.51** | **189362.00** |

Item No.59 — Applying stamping finish on M30 grade concrete on PCC sub grade, applying and finishing with stamp/ stencil of approved pattern and color in accordance with Engineers instructions & approved drawings with use of any approved brand of color hardener over the concrete surface with different types of floaters, application of release agent of 0.12 to 0.13kg/m2 depending on matching combination of selected color, stamping over the concrete surface with stamping tools , cleaning of surface with water and groove cutting of finished concrete and application of acrylic based sealer for final finish. Coverage of sealer should be 0.30litre/m2 per coat. The cost is inclusive of manpower, cutting machine, sprayer and all tools tackles for all activities and complete smooth and finish as per technical specifications.(The cost of Concrete shall be paid separately) and as per the direction of engineer incharge of work.

Executive Engineer Yelahanka Division BWSSB Bangalore-64

**Item Not Operated**

Item No 60 — Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge and as per the direction of engineer incharge of work.

Measurement taken on: 24/04/2023

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Quantity Recorded in 1st RA Bill | | | | | | | | | **59.37** | |
| Present Bill Measurements | | | | | | | | | | |
| **Senior Citizen Building** | | | | | | | | | | |
| **Terrace** | | | | | | | | | 67.61 | |
| Slab b/w grid A-B & 1-4' | Sqm | 1 | 5.01 | 13.50 | | | | | | |
| Slab b/w grid B-E | | | | | | | 6.72 | 19.35 | | |
| Rectangular portion | Sqm | 1 | 2.88 | | | | | | 7.19 | |
| Triangular portion 1 | Sqm | 1 | 7.19 | | | | | | | |
| | | | Triangular area= 0.5*2.139*6.72=7.19 | | | | | | 2.22 | |
| Triangular portion 2 | Sqm | 1 | 2.22 | | | | | | | |
| | | | Triangular area= 0.5*0.66*6.72=2.22 | | | | | | | |
| **Above headroom** | | | | | | | | | 9.40 | |
| Slab above staircase | Sqm | 1 | 3.76 | 2.5 | | | | | 2.00 | |
| slab projected-near staircase | Sqm | 1 | 2.90 | 0.69 | | | | | **167.14** | |
| **Total Executed Quantity** | | | | | | | | | **165.67** | |
| **Tender Quantity** | | | | | | | | | **167.14** | |
| **Quantity upto 125%** | | | | | | | | | **59.37** | |
| **DPQ Quantity paid in 1st RA Bill** | | | | | | | | | | |
| **Now to be paid Quantity** | | | | | | | | | **107.77** | **831.99** |
| **Quantity upto 125%** | | | | | | | | | | **89667.00** |

Item No 61 — Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work.

Measurement taken on: 24/04/2024

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Senior Citizen Building** | | | | | | | | | 5.38 | |
| **Ground Floor -Flooring** | Sqm | 1 | 2.38 | 2.26 | | | | | 9.65 | |
| Store Room | Sqm | 1 | 3.25 | 2.97 | | | | | | |
| Dead End Room 1 | | | | | | | 6.71 | 19.15 | | |
| New Hall | Sqm | 1 | 2.86 | | | | | | 7.16 | |
| Rectangular portion | Sqm | 1 | 7.16 | | | | | | | |
| Triangular portion 1 | | | | | | | | | | |

SUDHARAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Triangular portion 2 | Sqm | 1 | Triangular area= 0.5*2.137*6.705=7.164 | | | | | 2.18 | | |
| | | Store Room Beside(Right) | Sqm | 1 | Triangular area= 0.5*0.649*6.705=2.176 | | | | | 6.05 | | |
| | | **Total Executed Quantity** | | | | | | | | **49.57** | | |
| | | **Tender Quantity** | | | | | | | | **29.35** | | |
| | | **Quantity upto 125%** | | | | | | | | **36.69** | | |
| | | **Quantity above 125%** | | | | | | | | **12.88** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **36.69** | 808.54 | 29664.00 |
| | | **Quantity above 125%** | | | | | | | | **12.88** | 787.29 | 10143.00 |
| Item No. 62 | | Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 24/04/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **First Floor -Flooring** | | | | | | | | | | |
| | | Office Room | Sqm | 1 | 2.78 | 3.44 | | | | 9.56 | | |
| | | Meeting Hall | Sqm | 1 | 5.04 | 10.38 | | | | 52.32 | | |
| | | Slab b/w grid B,C,D,E | | | | | | | | | | |
| | | Rectangular portion | Sqm | 1 | 2.86 | | | | 6.705 | 19.15 | | |
| | | Triangular portion 1 | Sqm | 1 | 7.16 | | | | | 7.16 | | |
| | | Triangular portion 2 | Sqm | 1 | Triangular area= 0.5*2.137*6.705=7.164 2.176 | | | | | 2.18 | | |
| | | | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| | | Staircase area | Sqm | 1 | 1.83 | 1.23 | | | | 2.25 | | |
| | | slab projected | Sqm | 1 | 2.95 | 0.7 | | | | 2.07 | | |
| | | **Deduction** | | | | | | | | | | |
| | | Columns | Sqm | -2 | 0.45 | 0.2 | | | | -0.18 | | |
| | | **Terrace** | | | | | | | | 2.12 | | |
| | | Staircase area | Sqm | 1 | 1.72 | 1.23 | | | | 2.27 | | |
| | | slab projected | Sqm | 1 | 3.03 | 0.75 | | | | 98.89 | | |
| | | **Total Executed Quantity** | | | | | | | | 94.52 | | |
| | | **Tender Quantity** | | | | | | | | 98.89 | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | 98.89 | 1559.01 | 154174.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| Item No.63 | | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | | Sqm | | | | | | | 593.04 | | |
| | | **Total Executed Quantity** | | | | | | | | 515.47 | | |
| | | **Tender Quantity** | | | | | | | | 593.04 | | |
| | | **Quantity upto 125%** | | | | | | | | 515.47 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 77.57 | | |
| | | **Quantity reserved in 1st RA Bill and paid in 3rd RA Bill** | | | | | | | | Nill | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |

24/04/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No. 64 | | Providing 20 mm cement plaster of mix 1:4 (1 cement 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 11/05/2023 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | 930.31 | | |
| | | **External plastering** | | | | | | | | | | |
| | | **Ground Floor -Wall** | | | | | | | | | | |
| | | Backwall room dead end | Sqm | 1 | 2.65 | | | | 3.00 | 7.95 | | |
| | | Left Wall-room | Sqm | 1 | 3.37 | | | | 3.00 | 10.11 | | |
| | | Cross wall-Left | Sqm | 1 | 7.25 | | | | 3.00 | 21.75 | | |
| | | Cross wall-Right | Sqm | 1 | 9.80 | | | | 3.00 | 29.39 | | |
| | | Stairwall -left side | Sqm | 1 | 4.11 | | | | 2.30 | 9.45 | | |
| | | Stairwall -back side | Sqm | 1 | 2.90 | | | | 1.76 | 5.10 | | |
| | | below landing | Sqm | 1 | 2.90 | 0.30 | | | | 0.87 | | |
| | | landing-sides | Sqm | 1 | 1.45 | | | | 0.21 | 0.30 | | |
| | | | Sqm | 1 | 1.45 | | | | 0.35 | 0.51 | | |
| | | | Sqm | 2 | 0.29 | | | | 0.21 | 0.12 | | |
| | | At entrance-steps | Sqm | 3 | 1.04 | | | | 0.15 | 0.47 | | |
| | | | Sqm | 3 | 1.04 | | | | 0.30 | 0.94 | | |
| | | Steps -side | Sqm | 1 | 0.30 | | | | 0.15 | 0.05 | | |
| | | | Sqm | 1 | 0.30 | | | | 0.30 | 0.09 | | |
| | | | Sqm | 1 | 0.30 | | | | 0.45 | 0.14 | | |
| | | At entrance | | | | | | | | | | |
| | | Landing | Sqm | 1 | 0.90 | | | | 0.60 | 0.54 | | |
| | | | Sqm | 1 | 2.06 | | | | 0.60 | 1.24 | | |
| | | Compound wall-side | Sqm | 2 | 14.2 | | | | 1.08 | 30.53 | | |
| | | Compound wall-top side | Sqm | 1 | 14.2 | | | | 0.15 | 2.13 | | |
| | | Around Transformer | Sqm | 4 | 2.35 | | | | 0.20 | 1.88 | | |
| | | Top face | Sqm | 2 | 2.35 | | | | 0.15 | 0.71 | | |
| | | | Sqm | 2 | 4.35 | | | | 0.20 | 1.74 | | |
| | | Top face | Sqm | 1 | 4.35 | | | | 0.15 | 0.65 | | |
| | | Steps Near Gate | Sqm | 2 | 1.20 | | | | 0.15 | 0.36 | | |
| | | | Sqm | 2 | 1.20 | | | | 0.3 | 0.72 | | |
| | | Sides | Sqm | 1 | 0.30 | | | | 0.15 | 0.05 | | |
| | | | Sqm | 1 | 0.30 | | | | 0.30 | 0.09 | | |
| | | **Ground Floor Chejja** | | | | | | | | | | |
| | | Above W1 | Sqm | 2 | 1.80 | 0.45 | | | 0.10 | 0.18 | | |
| | | | Sqm | 1 | 1.80 | | | | 0.10 | 0.09 | | |
| | | | Sqm | 2 | 0.45 | | | | | 4.05 | | |
| | | | Sqm | 6 | 1.50 | 0.45 | | | 0.10 | 0.45 | | |
| | | Above W | Sqm | 3 | 1.50 | | | | 0.10 | 0.27 | | |
| | | | Sqm | 6 | 0.45 | | | | | | | |
| | | **Deduction** | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| | | W1-near room | Sqm | -2.5 | 1.20 | | | | 1.20 | -3.60 | | |
| | | W | | | | | | | | | | |
| | | **Road beautification-Shops** | | | | | | | | 2.75 | 44.77 | |
| | | **Unit-1 5 shops** | Sqm | 1 | 16.28 | | | | 2.75 | 8.06 | | |
| | | Long wall | Sqm | 1 | 2.93 | | | | 0.34 | 0.34 | | |
| | | Short wall-rectangular portion | Sqm | 1 | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | triangular portion | Sqm | 1 | 2.97 | | | | 2.75 | 8.17 | | |
| | | Short wall-rectangular portion | Sqm | 1 | Area=0.5*2.97*0.23=0.34 | | | | 0.34 | 0.34 | | |
| | | triangular portion | | | | | | | | | | |
| | | **Unit-2 3 shops** | Sqm | 1 | 9.80 | | | | 2.75 | 26.95 | | |
| | | Long wall | Sqm | 1 | 2.91 | | | | 2.75 | 8.00 | | |
| | | Short wall-rectangular portion | Sqm | 1 | Area=0.5*2.91*0.23=0.33 | | | | 0.33 | 0.33 | | |
| | | triangular portion | | | | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.11 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.95*0.23=0.34 | | | | | | | |
| | | **Unit-3 3 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 9.80 | | | | 2.75 | 26.95 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.91 | | | | 2.75 | 8.00 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.33 | 0.33 | | |
| | | | | | Area=0.5*2.91*0.23=0.33 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.11 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.95*0.23=0.34 | | | | | | | |
| | | **Unit-4 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | 2.75 | 44.77 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.97*0.23=0.34 | | | | | | | |
| | | **Unit-5 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | 2.75 | 44.77 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.97*0.23=0.34 | | | | | | | |
| | | **Unit-6 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | 2.75 | 44.77 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.33695 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34155 | 0.34 | | |
| | | | | | Area=0.5*2.97*0.23=0.34 | | | | | | | |
| | | **Unit-7 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | 2.75 | 44.77 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.33695 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34155 | 0.34 | | |
| | | | | | Area=0.5*2.97*0.23=0.34 | | | | | | | |
| | | Deduction | Sqm | -31 | 2.38 | | | | 0.85 | -62.71 | | |
| | | V | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | | 1393.46 | |
| | | **Tender Quantity** | | | | | | | | | 874.16 | |
| | | **Quantity upto 125%** | | | | | | | | | 1092.70 | |
| | | **Quantity above 125%** | | | | | | | | | 300.76 | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | | 874.16 | |
| | | **Quantity reserved in 1st RA Bill and paid in 3rd RA Bill** | | | | | | | | | 56.15 | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | 162.39 | 342.85 | 55674.00 |
| | | **Quantity above 125%** | | | | | | | | | 300.76 | 333.90 | 100426.00 |

Cyfe
14/08/23

RUDRAPRASAD CONSULTANTS
BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

PMC

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 65 | | Providing 20 mm cement plaster of mix 1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 13/05/2023 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **External plastering** | | | | | | | | | | |
| | | **First Floor -Wall** | | | | | | | | | | |
| | | Wall-Back wall | Sqm | 1 | 5.40 | | | | 3.00 | 16.20 | | |
| | | Cross wall-left side | Sqm | 1 | 7.25 | | | | 3.00 | 21.75 | | |
| | | Cross wall-right side | Sqm | 1 | 7.19 | | | | 3.00 | 21.57 | | |
| | | Side wall-left side | Sqm | 1 | 13.68 | | | | 3.00 | 41.04 | | |
| | | Side wall-right side | Sqm | 1 | 13.68 | | | | 3.00 | 41.04 | | |
| | | Stairwall -left side | Sqm | 1 | 4.11 | | | | 2.30 | 9.45 | | |
| | | Below 3rd flight landing | Sqm | 1 | 2.90 | 0.30 | | | | 0.87 | | |
| | | landing-sides | Sqm | 1 | 1.45 | | | | 0.21 | 0.30 | | |
| | | | Sqm | 1 | 1.45 | | | | 0.35 | 0.51 | | |
| | | | Sqm | 2 | 0.29 | | | | 0.2 | 0.12 | | |
| | | **First Floor Chejja** | | | | | | | | | | |
| | | Above W1 | Sqm | 2 | 1.80 | 0.45 | | | | 1.62 | | |
| | | | Sqm | 1 | 1.80 | | | | 0.10 | 0.18 | | |
| | | | Sqm | 2 | 0.45 | | | | 0.10 | 0.09 | | |
| | | Above W | Sqm | 18 | 1.50 | 0.45 | | | | 12.15 | | |
| | | | Sqm | 9 | 1.50 | | | | 0.10 | 1.35 | | |
| | | | Sqm | 18 | 0.45 | | | | 0.10 | 0.81 | | |
| | | Above V | Sqm | 2 | 1.20 | 0.45 | | | | 1.08 | | |
| | | | Sqm | 1 | 1.20 | | | | 0.10 | 0.12 | | |
| | | | Sqm | 2 | 0.45 | | | | 0.10 | 0.09 | | |
| | | **Terrace** | | | | | | | | | | |
| | | parapet wall-left | Sqm | 2 | 20.30 | | | | 0.89 | 36.13 | | |
| | | parapet wall-left (top face) | Sqm | 1 | 20.30 | | | | 0.19 | 3.76 | | |
| | | parapet wall-right | Sqm | 1 | 20.20 | | | | 0.89 | 17.98 | | |
| | | parapet wall-left (top face) | Sqm | 1 | 20.20 | | | | 0.19 | 3.74 | | |
| | | parapet wall-back | Sqm | 1 | 5.38 | | | | 0.89 | 9.58 | | |
| | | parapet wall-back(top face) | Sqm | 1 | 5.38 | | | | 0.19 | 1.02 | | |
| | | staircase wall-left | Sqm | 1 | 4.17 | | | | 1.75 | 7.30 | | |
| | | staircase wall-right | Sqm | 1 | 3.95 | | | | 2.45 | 9.68 | | |
| | | Single coarse above headroom | Sqm | 1 | 2.90 | | | | 0.20 | 1.16 | | |
| | | Above headroom-shorter side | Sqm | 1 | 2.90 | | | | 0.20 | 1.76 | | |
| | | Above headroom-longer side | Sqm | 2 | 4.40 | | | | | | | |
| | | **Deduction** | | | | | | | 1.20 | -0.90 | | |
| | | Window W1 | Sqm | -0.5 | 1.50 | | | | 1.20 | -8.64 | | |
| | | Window W | Sqm | -6 | 1.20 | | | | 0.60 | -0.27 | | |
| | | Ventilator V | Sqm | 0.5 | 0.90 | | | | 2.00 | -1.25 | | |
| | | Terrace door | Sqm | -0.5 | 1.25 | | | | | 251.38 | | |
| | | **Total Executed Quantity** | | | | | | | | 153.64 | | |
| | | **Tender Quantity** | | | | | | | | 192.05 | | |
| | | **Quantity upto 125%** | | | | | | | | 59.33 | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | 192.05 | 346.28 | 66504.00 |
| | | **Quantity upto 125%** | | | | | | | | 59.33 | 337.24 | 20010.00 |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 66 | | Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge | Sqm | | | | | | | 79.39 | | |
| | | **Total Executed Quantity** | | | | | | | | 79.39 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 79.39 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | Nil | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |

Executive Engineer
Yamanka Division
B.B.M.P Bangalore-64

RUDRAPRASAD CONSULTANTS
BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Chainage From | To

Item No 67

Measurement taken on

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:3 (1 cement : 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per layer 6 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top specifications and as per directions of Engineer-in-charge | | | | | | | | | | |
| 18/05/2023, 19/05/2023 24/05/2024 | | | | | | | | | | |
| **Senior Citizen Building** | | | | | | | | | | |
| **Internal plastering** | | | | | | | | | | |
| **Ground Floor -Column** | | | | | | | | | | |
| Column along grid E | Sqm | 1 | 0.45 | | | | | 2.85 | 1.27 | |
| Column along grid D at 3 | Sqm | 1 | 0.60 | | | | | 2.85 | 1.70 | |
| Column along grid D at 6 | Sqm | 1 | 0.61 | | | | | 2.85 | 1.74 | |
| Column along grid C at 2&7 | Sqm | 2 | 0.60 | | | | | 2.85 | 3.39 | |
| Column along grid B | Sqm | 1 | 0.22 | | | | | 2.85 | 0.63 | |
| Column along grid B | Sqm | 1 | 0.68 | | | | | 2.85 | 1.94 | |
| **Ground Floor -Wall** | | | | | | | | | | |
| Backwall room dead end | Sqm | 1 | 3.52 | | | | | 2.85 | 10.03 | |
| Wall b/w room and toilet | Sqm | 2 | 2.97 | | | | | 2.85 | 16.93 | |
| Left Wall-room | Sqm | 1 | 2.97 | | | | | 2.85 | 8.46 | |
| Storeroom front -inside | Sqm | 1 | 2.34 | | | | | 2.85 | 6.67 | |
| Storeroom front -outside | Sqm | 1 | 2.61 | | | | | 2.85 | 7.44 | |
| **New Hall** | | | | | | | | | | |
| Cross wall-Left | Sqm | 1 | 6.00 | | | | | 2.85 | 17.10 | |
| Cross wall-Right | Sqm | 1 | 5.72 | | | | | 2.85 | 16.30 | |
| Front wall-near stairs | Sqm | 1 | 3.08 | | | | | 2.85 | 8.78 | |
| **Stairwall Left side** | Sqm | 1 | 3.87 | | | | | 1.82 | 7.04 | |
| **Deduction** | | | | | | | | | | |
| triangular portion -steps | Sqm | 11 | 0.02 | | | | | | -0.24 | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | -1 | 3.36 | | | | | 0.15 | -0.50 | |
| **Stairwall Right side** | Sqm | 1 | 3.87 | | | | | 2.85 | 11.03 | |
| Deduction | | | | | | | | | -0.13 | |
| triangular portion -steps | Sqm | 6 | 0.02 | | | | | | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | -1 | 1.83 | | | | | 0.15 | -0.28 | |
| **Stairwall -back side** | Sqm | 1 | 2.40 | | | | | 1.45 | 3.48 | |
| **Staircase** | Sqm | 1 | 3.15 | 1.24 | | | | | 3.91 | |
| **1st Flight** | Sqm | 1 | 1.28 | 0.50 | | | | 0.24 | 0.64 | |
| Landing-ceiling | Sqm | 1 | 1.28 | | | | | | 0.30 | |
| Landing-side | Sqm | 11 | 0.02 | | | | | | 0.24 | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| triangular portion -steps | Sqm | 1 | 3.36 | | | | | 0.15 | 0.50 | |
| waist slab-rectangular | Sqm | 1 | 2.32 | 1.24 | | | | | 2.88 | |
| **2nd Flight** | Sqm | 1 | 1.25 | 1.10 | | | | 0.15 | 1.38 | |
| Landing-ceiling | Sqm | 1 | 1.10 | | | | | | 0.17 | |
| 1st floor landing side | Sqm | 6 | 0.02 | | | | | | 0.13 | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| triangular portion -steps | Sqm | 1 | 1.83 | | | | | 0.15 | 0.28 | |
| waist slab-rectangular | Sqm | 1 | 2.50 | | | | | 0.30 | 0.75 | |
| Beam below projected slab | Sqm | 1 | 2.50 | | | | | 0.15 | 0.38 | |
| Beam below projected slab | Sqm | 1 | 2.90 | 0.70 | | | | | 2.02 | |
| Groundfloor projection slab | Sqm | 1 | 2.90 | | | | | 0.15 | 0.44 | |
| projected slab side-front | Sqm | 2 | 1.50 | | | | | 0.15 | 0.21 | |
| sides-left&right | Sqm | 1 | 1.50 | | | | | | | |
| | | | | | | | | 1.20 | -0.90 | |
| **Deduction** | | | | | | | | | | |
| W1-near room | Sqm | -0.5 | 1.50 | | | | | | | |

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RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | W | Sqm | -2 | 1.20 | | | | 1.20 | -3.60 | | |
| | | DI Storeroom | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | MD | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | **Ground Floor -Ceiling** | | | | | | | | | | |
| | | Slab b/w grid A-A' | Sqm | 1 | 3.52 | | | | 2.92 | 10.28 | | |
| | | Slab b/w grid B'-B | Sqm | 1 | 2.40 | | | | 2.20 | 5.28 | | |
| | | Slab b/w grid B,C,D,E | | | | | | | | | | |
| | | Rectangular portion | Sqm | 1 | 2.86 | | | | 6.71 | 19.15 | | |
| | | Triangular portion 1 | Sqm | 1 | 7.16 | | | | | 7.16 | | |
| | | | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| | | Triangular portion 2 | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| | | **Internal plastering** | | | | | | | | | | |
| | | **First Floor -Column** | | | | | | | | | | |
| | | Column along grid E | Sqm | 1 | 0.48 | | | | 2.85 | 1.37 | | |
| | | Column along grid D at 3 | Sqm | 1 | 0.59 | | | | 2.85 | 1.67 | | |
| | | Column along grid D at 6 | Sqm | 1 | 0.58 | | | | 2.85 | 1.65 | | |
| | | Column along grid C | Sqm | 1 | 0.61 | | | | 2.85 | 1.74 | | |
| | | Column along grid C | Sqm | 1 | 0.60 | | | | 2.85 | 1.71 | | |
| | | Column along grid B | Sqm | 1 | 0.69 | | | | 2.85 | 1.95 | | |
| | | Column along grid B | Sqm | 1 | 0.72 | | | | 2.85 | 2.04 | | |
| | | Column along grid B' | Sqm | 2 | 0.71 | | | | 2.85 | 4.05 | | |
| | | Column along grid B" | Sqm | 1 | 0.90 | | | | 2.85 | 2.57 | | |
| | | Column along grid B" | Sqm | 1 | 0.87 | | | | 2.85 | 2.48 | | |
| | | Column along grid A" | Sqm | 1 | 0.85 | | | | 2.85 | 2.42 | | |
| | | Column along grid A" | Sqm | 1 | 0.87 | | | | 2.85 | 2.48 | | |
| | | Column along grid A' | Sqm | 2 | 0.98 | | | | 2.85 | 5.59 | | |
| | | Internal columns-Hall middle | Sqm | 2 | 1.24 | | | | 2.85 | 7.07 | | |
| | | **First Floor -Wall** | | | | | | | | | | |
| | | office room-backwall | Sqm | 1 | 3.44 | | | | 2.85 | 9.80 | | |
| | | office room-left | Sqm | 1 | 2.78 | | | | 2.85 | 7.92 | | |
| | | office room-right | Sqm | 1 | 2.93 | | | | 2.85 | 8.35 | | |
| | | office room-front | Sqm | 1 | 3.42 | | | | 2.85 | 9.75 | | |
| | | toilet-backwall | Sqm | 2 | 1.45 | | | | 2.85 | 8.27 | | |
| | | toilet-sidewalls | Sqm | 2 | 2.85 | | | | 2.85 | 16.25 | | |
| | | Metting hall-back | Sqm | 1 | 5.06 | | | | 2.85 | 14.42 | | |
| | | Side wall-left side | Sqm | 1 | 9.39 | | | | 2.85 | 26.76 | | |
| | | Side wall-right side | Sqm | 1 | 9.37 | | | | 2.85 | 26.70 | | |
| | | Cross wall-left side | Sqm | 1 | 5.91 | | | | 2.85 | 16.84 | | |
| | | Cross wall-right side | Sqm | 1 | 5.75 | | | | 2.85 | 16.39 | | |
| | | Wall-Front wall | Sqm | 1 | 3.38 | | | | 2.85 | 9.63 | | |
| | | Stairwall Left side | Sqm | 1 | 4.16 | | | | 1.82 | 7.57 | | |
| | | Stairwall Right side | Sqm | 1 | 4.19 | | | | 2.85 | 11.94 | | |
| | | **Staircase** | | | | | | | | | | |
| | | 3rd Flight | Sqm | 4 | 3.50 | 1.25 | | | | 3.94 | | |
| | | Landing-ceiling | Sqm | 1 | 1.28 | 0.50 | | | | 0.64 | | |
| | | Landing-side | Sqm | 1 | 1.28 | | | | 0.20 | 0.26 | | |
| | | triangular portion -steps | Sqm | 11 | 0.02 | | | | | 0.24 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | 1 | 3.36 | 1.24 | | | 0.15 | 0.50 | | |
| | | 4th Flight | Sqm | 1 | 2.32 | 1.10 | | | | 2.88 | | |
| | | Landing-ceiling | Sqm | 1 | 1.24 | | | | 0.22 | 1.36 | | |
| | | terrace-landing side | Sqm | 1 | 1.10 | | | | | 0.24 | | |
| | | triangular portion -steps | Sqm | 6 | 0.02 | | | | | 0.13 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | 1 | 1.83 | | | | 0.15 | 0.28 | | |

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RUDRAPRASAD CONSULTANTS
BANGALORE

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CONTRACTOR

RMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.30 | 0.75 | | |
| | | Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.15 | 0.38 | | |
| | | First Floor projected slab | Sqm | 1 | 2.90 | 0.70 | | | | 2.02 | | |
| | | projected slab side-front | Sqm | 2 | 2.90 | | | | 0.15 | 0.44 | | |
| | | sides-left&right | | | 0.70 | | | | 0.15 | 0.21 | | |
| | | **Stairwall -left** | | | | | | | | | | |
| | | triangular portion -steps | Sqm | -1 | 0.02 | | | | | -0.24 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | -1 | 5.36 | | | | 0.15 | -0.50 | | |
| | | **Stairwall -right** | | | | | | | | | | |
| | | triangular portion -steps | Sqm | -6 | 0.02 | | | | | -0.13 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | -1 | 1.83 | | | | 0.15 | -0.28 | | |
| | | **First Floor -Beam** | | | | | | | | | | |
| | | B5 Along grid D | Sqm | 2 | 3.83 | | | | 0.30 | 2.30 | | |
| | | B4 Along grid C | Sqm | 2 | 4.35 | | | | 0.30 | 2.61 | | |
| | | B3 Along grid B | Sqm | 2 | 4.05 | | | | 0.30 | 2.43 | | |
| | | B3 Along grid B' | Sqm | 2 | 4.05 | | | | 0.30 | 2.43 | | |
| | | B2 Along grid B"&A" | Sqm | 4 | 4.50 | | | | 0.30 | 5.40 | | |
| | | **First Floor -Ceiling** | | | | | | | | | | |
| | | Office room | Sqm | 1 | 3.44 | 2.97 | | | | 10.22 | | |
| | | Toilet | Sqm | 1 | 1.45 | 2.82 | | | | 4.09 | | |
| | | Meeting hall | Sqm | 1 | 5.00 | 10.46 | | | | 52.30 | | |
| | | Slab b/w grid B,C,D,E | | | | | | | | | | |
| | | Rectangular portion | Sqm | 1 | 2.86 | 6.71 | | | | 19.15 | | |
| | | Triangular portion 1 | Sqm | 1 | 7.16 | | | | | 7.16 | | |
| | | | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| | | Triangular portion 2 | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| | | **Deduction** | | | | | | | | | | |
| | | D1-office room | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | D-bathroom | Sqm | -0.5 | 0.75 | | | | 2.00 | -0.75 | | |
| | | MD | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | Window W1 | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| | | Window W | Sqm | -6 | 1.20 | | | | 1.20 | -8.64 | | |
| | | Ventilator V | Sqm | -0.5 | 0.90 | | | | 0.60 | -0.27 | | |
| | | **Terrace head room** | | | | | | | | | | |
| | | staircase wall-left | Sqm | 1 | 4.17 | | | | 1.60 | 6.67 | | |
| | | staircase wall-right | Sqm | 1 | 3.95 | | | | 2.30 | 9.09 | | |
| | | Terrace beam | Sqm | 4 | 2.50 | | | | 0.30 | 3.00 | | |
| | | | | | | | | | | 12.43 | | |
| | | Terrace Floor ceiling | Sqm | 1 | 4.97 | 2.50 | | | | 1.74 | | |
| | | projected slab ceiling | Sqm | 1 | 2.90 | 0.60 | | | | | | |
| | | **Deduction** | | | | | | | | 2.00 | -1.25 | |
| | | Terrace door | Sqm | -0.5 | 1.25 | | | | | | | |
| | | **Road beautification -Shops** | | | | | | | | | | |
| | | **Internal plastering** | | | | | | | | 2.75 | 8.22 | |
| | | **Unit-1** | | | | | | | | 2.75 | 8.06 | |
| | | **5 Shops** | Sqm | 1 | 2.99 | | | | | 0.34 | 0.34 | |
| | | **shop no 1** -longer side | Sqm | 1 | 2.93 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | | | | | | 2.75 | 8.09 | |
| | | shorter side-triangular portion | | | Area=0.5*2.93*0.23=0.337 | | | | | 0.34 | 0.34 | |
| | | | Sqm | 1 | 2.94 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | | | | | | | | |
| | | shorter side-triangular portion | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |

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ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **shop no 2** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 3** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 4** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 5** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.35 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| | | **Unit-2** | | | | | | | | | | |
| | | **3 shops** | | | | | | | | | | |
| | | **shop no 6** -longer side | Sqm | 1 | 3.00 | | | | 2.75 | 8.25 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 2.75 | 8.00 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 2.75 | 8.00 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | | | | |
| | | **shop no 7** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 2.75 | 8.00 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 2.75 | 8.02 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.915*0.25=0.364 | | | | | | | |
| | | **shop no 8** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 2.75 | 8.02 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 2.75 | 8.03 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.92*0.25=0.364 | | | | | | | |
| | | **Unit-3** | | | | | | | | | | |
| | | **3 shops** | | | | | | | | | | |
| | | **shop no 9** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.93*0.25=0.366 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.11 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.95*0.25=0.368 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **shop no 10**-longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.11 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.95*0.25=0.368 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.368 | | | | | | | |
| | | **shop no 11**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.368 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 2.75 | 8.03 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.92*0.25=0.365 | | | | | | | |
| | | **Unit-4** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 12** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| | | **shop no 13** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 14** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 15** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 16** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.35 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| | | **Unit-5** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 17** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| | | **shop no 18** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 19** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.22 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | 0.36 | 0.36 | | |
| | | **shop no 20** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | 0.36 | 0.36 | | |
| | | **shop no 21**-longer side | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.09 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | 0.35 | 0.35 | | |
| | | **Unit-6** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 22** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.337 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.338 | 0.34 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| | | **shop no 23** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 24** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 25** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | | | | | | | | 2.75 | 8.20 | | |
| | | **shop no 26**-longer side | Sqm | 1 | 2.98 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 68 | | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | | | | | | | | | | |
| Measurement taken on | | 18/05/2023, 19/05/2023, 24/05/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Ground Floor-Inside painting** | | | | | | | | 79.39 | | |
| | | **Room -back side** | | | | | | | | | | |
| | | | Sqm | 1 | 3.52 | | | | 2.85 | 10.03 | | |
| | | | Sqm | 2 | 2.97 | | | | 2.85 | 16.93 | | |
| | | | Sqm | 1 | 3.52 | | | | 2.85 | 10.03 | | |
| | | **Bathroom** | | | | | | | | | | |
| | | | Sqm | 2 | 1.50 | | | | 0.90 | 2.70 | | |
| | | | Sqm | 2 | 2.90 | | | | 0.90 | 5.22 | | |
| | | **Existing hall** | | | | | | | | | | |
| | | Back side wall | Sqm | 2 | 5.05 | | | | 2.85 | 28.79 | | |
| | | Left and right side wall | Sqm | 2 | 8.90 | | | | 2.85 | 50.73 | | |
| | | **Storeroom** | | | | | | | | | | |
| | | Backside wall | Sqm | 1 | 2.33 | | | | 2.85 | 6.64 | | |
| | | Frontwall | Sqm | 1 | 2.34 | | | | 2.85 | 6.67 | | |
| | | Sidewall | Sqm | 1 | 2.98 | | | | 2.85 | 8.49 | | |
| | | | Sqm | 1 | 2.18 | | | | 2.85 | 6.21 | | |
| | | Beside storeroom | Sqm | 1 | 2.48 | | | | 2.85 | 7.07 | | |
| | | | Sqm | 1 | 2.44 | | | | 2.85 | 6.95 | | |
| | | | Sqm | 1 | 2.13 | | | | 2.85 | 6.07 | | |
| | | **New Hall** | | | | | | | | | | |
| | | Backwall | Sqm | 1 | 2.86 | | | | 2.85 | 8.15 | | |
| | | Cross Leftwall | Sqm | 1 | 7.19 | | | | 2.85 | 20.49 | | |
| | | Cross Rightwall | Sqm | 1 | 7.24 | | | | 2.85 | 20.63 | | |
| | | Frontwall | Sqm | 1 | 3.59 | | | | 2.85 | 10.22 | | |
| | | **Stairwall Left side** | Sqm | 1 | 3.87 | | | | 1.82 | 7.04 | | |
| | | **Deduction** | | | | | | | | | | |
| | | triangular portion -steps | Sqm | -11 | 0.02 | | | | | -0.24 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | -1 | 3.36 | | | | 0.15 | -0.50 | | |
| | | Stairwall Right side | Sqm | 1 | 3.87 | | | | 2.85 | 11.03 | | |
| | | **Deduction** | | | | | | | | | | |
| | | triangular portion -steps | Sqm | -6 | 0.02 | | | | | -0.13 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | -1 | 1.83 | | | | 0.15 | -0.28 | | |
| | | Stairwall -back side | Sqm | 1 | 2.40 | | | | 1.45 | 3.48 | | |
| | | **Staircase** | | | | | | | | | | |
| | | **1st Flight** | Sqm | 1 | 3.15 | 1.24 | | | | 3.91 | | |
| | | Landing-ceiling | Sqm | 1 | 1.28 | 0.50 | | | | 0.64 | | |
| | | Landing-side | Sqm | 1 | 1.28 | | | | 0.24 | 0.30 | | |
| | | triangular portion -steps | Sqm | 1 | 0.02 | | | | | 0.24 | | |
| | | | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | waist slab-rectangular | Sqm | 1 | 3.36 | | | | 0.15 | 0.50 | | |
| | | | Sqm | 1 | 2.32 | 1.24 | | | | 2.88 | | |
| | | | Sqm | 1 | 1.25 | 1.10 | | | | 1.38 | | |
| | | **2nd Flight** | Sqm | 6 | 0.02 | | | | | 0.13 | | |
| | | Landing-ceiling | Sqm | | | | | | | | | |
| | | triangular portion -steps | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | | Sqm | 1 | 1.83 | | | | 0.15 | 0.28 | | |
| | | waist slab-rectangular | Sqm | 1 | 2.50 | | | | 0.30 | 0.75 | | |
| | | Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.15 | 0.38 | | |
| | | Beam below projected slab | Sqm | 1 | 2.90 | 0.70 | | | | 2.02 | | |
| | | Groundfloor projection slab | Sqm | 1 | 2.90 | | | | 0.15 | 0.44 | | |
| | | projected slab side-front | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | sides-left&right | Sqm | 2 | 0.70 | | | | 0.15 | 0.21 | | |
| | | **Groundfloor-Ceiling** | | | | | | | | | | |
| | | Room-dead end | Sqm | 1 | 3.52 | 2.97 | | | | 10.45 | | |
| | | Bathroom | Sqm | 1 | 1.50 | 2.90 | | | | 4.35 | | |
| | | Existing Hall | Sqm | 1 | 5.00 | 7.86 | | | | 39.30 | | |
| | | Storeroom | Sqm | 1 | 2.38 | 2.20 | | | | 5.23 | | |
| | | Room beside storeroom | Sqm | 1 | 1.97 | 2.11 | | | | 4.16 | | |
| | | New Hall | | | | | | | | | | |
| | | Rectangular portion | Sqm | 1 | 2.86 | | | | | | | |
| | | Triangular portion 1 | Sqm | 1 | 7.16 | | | | 6.71 | 19.15 | | |
| | | | | | | | | | | 7.16 | | |
| | | Triangular portion 2 | Sqm | 1 | 2.18 | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | |
| | | | | | | | | | | 2.18 | | |
| | | **Deduction** | | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | |
| | | W1-near room | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| | | Door-hall | Sqm | -0.5 | 0.75 | | | | 2.00 | -0.75 | | |
| | | Door-room | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | W | Sqm | -5 | 1.20 | | | | 1.20 | -7.20 | | |
| | | W-bathroom | Sqm | -0.5 | 0.90 | | | | 0.60 | -0.27 | | |
| | | D1 Storeroom | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | UPVC door | Sqm | -0.5 | 0.75 | | | | 2.00 | -0.75 | | |
| | | MD-Hall | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | MD | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | Name board | Sqm | -0.5 | 1.20 | | | | 0.60 | -0.36 | | |
| | | | | | | | | | **Subtotal** | **344.01** | | |
| | | **First Floor&terrace-Inside painting** | | | | | | | | | | |
| | | **First Floor -Column** | | | | | | | | | | |
| | | Column along grid E | Sqm | 1 | 0.48 | | | | 2.85 | 1.37 | | |
| | | Column along grid D at 3 | Sqm | 1 | 0.59 | | | | 2.85 | 1.67 | | |
| | | Column along grid D at 6 | Sqm | 1 | 0.58 | | | | 2.85 | 1.65 | | |
| | | Column along grid C | Sqm | 1 | 0.61 | | | | 2.85 | 1.74 | | |
| | | Column along grid C | Sqm | 1 | 0.60 | | | | 2.85 | 1.71 | | |
| | | Column along grid B | Sqm | 1 | 0.69 | | | | 2.85 | 1.95 | | |
| | | Column along grid B | Sqm | 1 | 0.72 | | | | 2.85 | 2.04 | | |
| | | Column along grid B' | Sqm | 2 | 0.71 | | | | 2.85 | 4.05 | | |
| | | Column along grid B" | Sqm | 1 | 0.90 | | | | 2.85 | 2.57 | | |
| | | Column along grid B" | Sqm | 1 | 0.87 | | | | 2.85 | 2.48 | | |
| | | Column along grid A" | Sqm | 1 | 0.85 | | | | 2.85 | 2.42 | | |
| | | Column along grid A" | Sqm | 1 | 0.87 | | | | 2.85 | 2.48 | | |
| | | Column along grid A' | Sqm | 2 | 0.98 | | | | 2.85 | 5.59 | | |
| | | Internal columns-Hall middle | Sqm | 2 | 1.24 | | | | 2.85 | 7.07 | | |
| | | | | | | | | | | | | |
| | | **First Floor -Wall** | | | | | | | | | | |
| | | office room-backwall | Sqm | 1 | 3.44 | | | | 2.85 | 9.80 | | |
| | | office room-left | Sqm | 1 | 2.78 | | | | 2.85 | 7.92 | | |
| | | office room-right | Sqm | 1 | 2.93 | | | | 2.85 | 8.35 | | |
| | | office room-front | Sqm | 1 | 3.42 | | | | 2.85 | 9.75 | | |
| | | toilet-backwall | Sqm | 2 | 1.45 | | | | 2.85 | 8.27 | | |
| | | toilet-sidewalls | Sqm | 2 | 2.85 | | | | 2.85 | 16.25 | | |
| | | Metting hall-back | Sqm | 1 | 5.06 | | | | 2.85 | 14.42 | | |
| | | Side wall-left side | Sqm | 1 | 9.39 | | | | 2.85 | 26.76 | | |
| | | Side wall-right side | Sqm | 1 | 9.37 | | | | 2.85 | 26.70 | | |
| | | Cross wall-left side | Sqm | 1 | 5.91 | | | | 2.85 | 16.84 | | |
| | | Cross wall-right side | Sqm | 1 | 5.75 | | | | 2.85 | 16.39 | | |
| | | Wall-Front wall | Sqm | 1 | 3.38 | | | | 2.85 | 9.63 | | |
| | | | | | | | | | | | | |
| | | Stairwall Left side | Sqm | 1 | 4.16 | | | | 1.82 | 7.57 | | |
| | | Stairwall Right side | Sqm | 1 | 4.19 | | | | 2.85 | 11.94 | | |
| | | | | | | | | | | | | |
| | | **Staircase** | | | | | | | | | | |
| | | 3rd Flight | Sqm | 1 | 3.15 | 1.25 | | | | 3.94 | | |
| | | Landing-ceiling | Sqm | 1 | 1.28 | 0.50 | | | | 0.64 | | |
| | | Landing-side | Sqm | 1 | 1.28 | | | | 0.20 | 0.26 | | |
| | | triangular portion -steps | Sqm | 11 | 0.02 | | | | | 0.24 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

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| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | waist slab-rectangular | Sqm | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | 4th Flight | Sqm | 1 | 3.36 | | | | 0.15 | 2.88 | | |
| | | Landing-ceiling | Sqm | 1 | 2.32 | 1.24 | | | | 1.36 | | |
| | | terrace-landing side | Sqm | 1 | 1.24 | 1.10 | | | | 0.24 | | |
| | | triangular portion -steps | Sqm | 1 | 1.10 | | | | 0.22 | 0.13 | | |
| | | | | 6 | 0.02 | | | | | | | |
| | | waist slab-rectangular | Sqm | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | Beam below projected slab | Sqm | 1 | 1.83 | | | | 0.15 | 0.28 | | |
| | | Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.30 | 0.75 | | |
| | | First Floor projected slab | Sqm | 1 | 2.50 | | | | 0.15 | 0.38 | | |
| | | projected slab side-front | Sqm | 1 | 2.90 | 0.70 | | | | 2.02 | | |
| | | sides-left&right | Sqm | 1 | 2.90 | | | | 0.15 | 0.44 | | |
| | | | | 2 | 0.70 | | | | 0.15 | 0.21 | | |
| | | **Stairwall -left** | | | | | | | | | | |
| | | triangular portion -steps | Sqm | -11 | 0.02 | | | | | -0.24 | | |
| | | waist slab-rectangular | Sqm | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | **Stairwall -right** | | -1 | 3.36 | | | | 0.15 | -0.50 | | |
| | | triangular portion -steps | Sqm | -6 | 0.02 | | | | | -0.13 | | |
| | | waist slab-rectangular | Sqm | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| | | | | -1 | 1.83 | | | | 0.15 | -0.28 | | |
| | | **First Floor -Beam** | | | | | | | | | | |
| | | B5 Along grid D | Sqm | 2 | 3.83 | | | | 0.30 | 2.30 | | |
| | | B4 Along grid C | Sqm | 2 | 4.35 | | | | 0.30 | 2.61 | | |
| | | B3 Along grid B | Sqm | 2 | 4.05 | | | | 0.30 | 2.43 | | |
| | | B3 Along grid B' | Sqm | 2 | 4.05 | | | | 0.30 | 2.43 | | |
| | | B2 Along grid B"&A" | Sqm | 4 | 4.50 | | | | 0.30 | 5.40 | | |
| | | **First Floor -Ceiling** | | | | | | | | | | |
| | | Office room | Sqm | 1 | 3.44 | 2.97 | | | | 10.22 | | |
| | | Toilet | Sqm | 1 | 1.45 | 2.82 | | | | 4.09 | | |
| | | Meeting hall | Sqm | 1 | 5.00 | 10.46 | | | | 52.30 | | |
| | | Slab b/w grid B,C,D,E | | | | | | | | | | |
| | | Rectangular portion | Sqm | 1 | 2.86 | 6.71 | | | | 19.15 | | |
| | | Triangular portion 1 | Sqm | 1 | 7.16 | | | | | 7.16 | | |
| | | | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| | | Triangular portion 2 | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| | | **Deduction** | | | | | | | | | | |
| | | D1-office room | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | D-bathroom | Sqm | -0.5 | 0.75 | | | | 2.00 | -0.75 | | |
| | | MD | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| | | Window W1 | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| | | Window W | Sqm | -6 | 1.20 | | | | 1.20 | -8.64 | | |
| | | Ventilator V | Sqm | -0.5 | 0.90 | | | | 0.60 | -0.27 | | |
| | | **Terrace head room** | | | | | | | | | | |
| | | staircase wall-left | Sqm | 1 | 4.17 | | | | 1.60 | 6.67 | | |
| | | staircase wall-right | Sqm | 1 | 3.95 | | | | 2.30 | 9.09 | | |
| | | Terrace beam | Sqm | 4 | 2.50 | | | | 0.30 | 3.00 | | |
| | | | | | | | | | | 12.43 | | |
| | | Terrace Floor ceiling | Sqm | 1 | 4.97 | 2.50 | | | | 1.74 | | |
| | | projected slab ceiling | Sqm | 1 | 2.90 | 0.60 | | | | | | |
| | | Deduction | Sqm | -0.5 | 1.25 | | | | 2.00 | -1.25 | | |
| | | Terrace door | | | | | | | Subtotal | 371.24 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Road beautification -Shops** | | | | | | | | | | |
| | | **Internal painting** | | | | | | | | | | |
| | | **Unit-1** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 1** -longer side | Sqm | | | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | 2.93 | | | | | | | |
| | | | | | | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | | | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | 2.94 | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| | | | | | | | | | 2.75 | 8.09 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | 0.34 | 0.34 | | |
| | | **shop no 2** -longer side | Sqm | | | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | 2.94 | | | | | | | |
| | | | | | | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | | | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | 2.96 | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | | | | | | | | 2.75 | 8.14 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | 0.36 | 0.36 | | |
| | | **shop no 3** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.22 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | 0.36 | 0.36 | | |
| | | **shop no 4** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 5** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.35 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| | | **Unit-2** | | | | | | | | | | |
| | | **3 shops** | | | | | | | 2.75 | 8.25 | | |
| | | **shop no 6** -longer side | Sqm | 1 | 3.00 | | | | 2.75 | 8.00 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 0.36 | 0.36 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | | | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | 2.75 | 8.00 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 0.36 | 0.36 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | | | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | | | | |
| | | | | | | | | | 2.75 | 8.20 | | |
| | | | | | | | | | 2.75 | 8.00 | | |
| | | **shop no 7** -longer side | Sqm | 1 | 2.98 | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | | | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | 2.75 | 8.02 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 0.36 | 0.36 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | | | | |
| | | | | | Area=0.5*2.915*0.25=0.364 | | | | | | | |
| | | | | | | | | | 2.75 | 8.22 | | |
| | | | | | | | | | 2.75 | 8.02 | | |
| | | **shop no 8** -longer side | Sqm | 1 | 2.99 | | | | 0.36 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | | | | |
| | | | | | Area=0.5*2.91*0.25=0.364 | | | | 2.75 | 8.03 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 0.37 | 0.37 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | | | | |
| | | | | | Area=0.5*2.92*0.25=0.364 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Unit-3** | | | | | | | | | | |
| | | **3 shops** | | | | | | | | | | |
| | | **shop no 9** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.93*0.25=0.366 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.11 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.95*0.25=0.368 | | | | | | | |
| | | **shop no 10**-longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.11 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.95*0.25=0.368 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.368 | | | | | | | |
| | | **shop no 11**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.368 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.92 | | | | 2.75 | 8.03 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.92*0.25=0.365 | | | | | | | |
| | | **Unit-4** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 12** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| | | **shop no 13** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 14** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 15** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 16** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.35 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| **Unit-5** | | | | | | | | | | |
| **5 Shops** | | | | | | | | | | |
| **shop no 17** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| **shop no 18** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.37 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 19** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| **shop no 20** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 21**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.35 | 0.35 | | |
| | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| **Unit-6** | | | | | | | | | | |
| **5 Shops** | | | | | | | | | | |
| **shop no 22** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.337 | 0.34 | | |
| | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.338 | 0.34 | | |
| | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| **shop no 23** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 24** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |

Cap

24/5/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| **shop no 25** -longer side | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | 2.98 | | | | 0.357 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | 2.96 | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 26**-longer side | Sqm | 1 | | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.20 | | |
| | | | | | | | 2.75 | 8.14 | | |
| shorter side-rectangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| shorter side-triangular portion | Sqm | 1 | 2.94 | | | | | | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | 2.75 | 8.09 | | |
| | | | Area=0.5*2.94*0.24=0.353 | | | | 0.353 | 0.35 | | |
| **Unit-7** | | | | | | | | | | |
| **5 Shops** | | | | | | | | | | |
| **shop no 27** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.22 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.06 | | |
| | | | Area=0.5*2.93*0.23=0.337 | | | | 0.337 | 0.34 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.09 | | |
| | | | Area=0.5*2.94*0.23=0.338 | | | | 0.338 | 0.34 | | |
| **shop no 28** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 29** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| **shop no 30** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 31**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 0.353 | 0.35 | | |
| | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| Deduction | Sqm | -15.5 | 2.38 | | | | 0.85 | -31.36 | | |
| Ventilator V | | | | | | | **Subtotal** | **748.11** | | |
| | | | | | | | | **1542.75** | | |
| **Total Executed Quantity** | | | | | | | | **1476.02** | | |
| **Tender Quantity** | | | | | | | | **1542.75** | | |
| **Quantity upto 125%** | | | | | | | | **79.39** | | |
| **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | | | |
| **Now to be paid Quantity** | | | | | | | | **1463.36** | 100.51 | **147082.00** |
| **Quantity upto 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge

18/05/2023, 19/05/2023, 24/05/2024

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| Quantity Recorded in 1st RA Bill | | | | | | | | 79.39 | | |
| Present Bill Measurements | | | | | | | | | | |
| **Senior Citizen Building** | | | | | | | | | | |
| **Ground Floor** | | | | | | | | | | |
| **Ground Floor -Column** | | | | | | | | | | |
| Column along grid E | Sqm | 1 | 0.45 | | | | 2.85 | 1.27 | | |
| Column along grid D at 3 | Sqm | 1 | 0.60 | | | | 2.85 | 1.70 | | |
| Column along grid D at 6 | Sqm | 1 | 0.61 | | | | 2.85 | 1.74 | | |
| Column along grid C at 2&7 | Sqm | 2 | 0.60 | | | | 2.85 | 3.39 | | |
| Column along grid B | Sqm | 1 | 0.22 | | | | 2.85 | 0.63 | | |
| Column along grid B | Sqm | 1 | 0.68 | | | | 2.85 | 1.94 | | |
| **Ground Floor -Wall** | | | | | | | | | | |
| Backwall room dead end | Sqm | 1 | 3.52 | | | | 2.85 | 10.03 | | |
| Wall b/w room and toilet | Sqm | 2 | 2.97 | | | | 2.85 | 16.93 | | |
| Left Wall-room | Sqm | 1 | 2.97 | | | | 2.85 | 8.46 | | |
| Storeroom front -inside | Sqm | 1 | 2.34 | | | | 2.85 | 6.67 | | |
| Storeroom front -outside | Sqm | 1 | 2.61 | | | | 2.85 | 7.44 | | |
| **New Hall** | | | | | | | | | | |
| Cross wall-Left | Sqm | 1 | 6.00 | | | | 2.85 | 17.10 | | |
| Cross wall-Right | Sqm | 1 | 5.72 | | | | 2.85 | 16.30 | | |
| Front wall-near stairs | Sqm | 1 | 3.08 | | | | 2.85 | 8.78 | | |
| **Stairwall Left side** | Sqm | 1 | 3.87 | | | | 1.82 | 7.04 | | |
| Deduction | | | | | | | | | | |
| triangular portion -steps | Sqm | -11 | 0.02 | | | | | -0.24 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | -1 | 3.36 | | | | 0.15 | -0.50 | | |
| Stairwall Right side | Sqm | 1 | 3.87 | | | | 2.85 | 11.03 | | |
| **Deduction** | | | | | | | | | | |
| triangular portion -steps | Sqm | -6 | 0.02 | | | | | -0.13 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | -1 | 1.83 | | | | 0.15 | -0.28 | | |
| Stairwall -back side | Sqm | 1 | 2.40 | | | | 1.45 | 3.48 | | |
| **Staircase** | | | | | | | | | | |
| 1st Flight | Sqm | 1 | 3.15 | 1.24 | | | | 3.91 | | |
| Landing-ceiling | Sqm | 1 | 1.28 | 0.5 | | | | 0.64 | | |
| Landing-side | Sqm | 1 | 1.28 | | | | 0.24 | 0.30 | | |
| triangular portion -steps | Sqm | 11 | 0.02 | | | | | 0.24 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | 1 | 3.36 | | | | 0.15 | 0.50 | | |
| 2nd Flight | Sqm | 1 | 2.32 | 1.24 | | | | 2.88 | | |
| Landing-ceiling | Sqm | 1 | 1.25 | 1.1 | | | | 1.38 | | |
| 1st floor landing side | Sqm | 1 | 1.10 | | | | 0.15 | 0.17 | | |
| triangular portion -steps | Sqm | 6 | 0.02 | | | | | 0.13 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | 1 | 1.83 | | | | 0.15 | 0.28 | | |
| Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.30 | 0.75 | | |
| Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.15 | 0.38 | | |
| Groundfloor projection slab | Sqm | 1 | 2.90 | 0.695 | | | | 2.02 | | |
| projected slab side-front | Sqm | 2 | 2.90 | | | | 0.15 | 0.44 | | |
| sides-left&right | | | 0.70 | | | | 0.15 | 0.21 | | |
| **Deduction** | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| W1-near room | | | | | | | | | | |

Checked 18/5/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| W | Sqm | -2 | 1.20 | | | | 1.20 | -3.60 | | |
| D1 Storeroom | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| MD | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| **Ground Floor -Ceiling** | | | | | | | | | | |
| Slab b/w grid A-A' | Sqm | 1 | 3.52 | | | | 2.92 | 10.28 | | |
| Slab b/w grid B'-B | Sqm | 1 | 2.40 | | | | 2.20 | 5.28 | | |
| Slab b/w grid B,C,D,E | | | | | | | | | | |
| Rectangular portion | Sqm | 1 | 2.86 | | | | 6.71 | 19.15 | | |
| Triangular portion 1 | Sqm | 1 | 7.16 | | | | | 7.16 | | |
| | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| Triangular portion 2 | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| For existing hall | Sqm | 1 | 5.00 | 7.86 | | | | 39.30 | | |
| **First Floor and Terrace** | | | | | | | | | | |
| **First Floor -Column** | | | | | | | | | | |
| Column along grid E | Sqm | 1 | 0.48 | | | | 2.85 | 1.37 | | |
| Column along grid D at 3 | Sqm | 1 | 0.59 | | | | 2.85 | 1.67 | | |
| Column along grid D at 6 | Sqm | 1 | 0.58 | | | | 2.85 | 1.65 | | |
| Column along grid C | Sqm | 1 | 0.61 | | | | 2.85 | 1.74 | | |
| Column along grid C | Sqm | 1 | 0.60 | | | | 2.85 | 1.71 | | |
| Column along grid B | Sqm | 1 | 0.69 | | | | 2.85 | 1.95 | | |
| Column along grid B | Sqm | 1 | 0.72 | | | | 2.85 | 2.04 | | |
| Column along grid B' | Sqm | 2 | 0.71 | | | | 2.85 | 4.05 | | |
| Column along grid B" | Sqm | 1 | 0.90 | | | | 2.85 | 2.57 | | |
| Column along grid B" | Sqm | 1 | 0.87 | | | | 2.85 | 2.48 | | |
| Column along grid A" | Sqm | 1 | 0.85 | | | | 2.85 | 2.42 | | |
| Column along grid A" | Sqm | 1 | 0.87 | | | | 2.85 | 2.48 | | |
| Column along grid A' | Sqm | 2 | 0.98 | | | | 2.85 | 5.59 | | |
| Internal columns-Hall middle | Sqm | 2 | 1.24 | | | | 2.85 | 7.07 | | |
| **First Floor -Wall** | | | | | | | | | | |
| office room-backwall | Sqm | 1 | 3.44 | | | | 2.85 | 9.80 | | |
| office room-left | Sqm | 1 | 2.78 | | | | 2.85 | 7.92 | | |
| office room-right | Sqm | 1 | 2.93 | | | | 2.85 | 8.35 | | |
| office room-front | Sqm | 1 | 3.42 | | | | 2.85 | 9.75 | | |
| toilet-backwall | Sqm | 2 | 1.45 | | | | 2.85 | 8.27 | | |
| toilet-sidewalls | Sqm | 2 | 2.85 | | | | 2.85 | 16.25 | | |
| Metting hall-back | Sqm | 1 | 5.06 | | | | 2.85 | 14.42 | | |
| Side wall-left side | Sqm | 1 | 9.39 | | | | 2.85 | 26.76 | | |
| Side wall-right side | Sqm | 1 | 9.37 | | | | 2.85 | 26.70 | | |
| Cross wall-left side | Sqm | 1 | 5.91 | | | | 2.85 | 16.84 | | |
| Cross wall-right side | Sqm | 1 | 5.75 | | | | 2.85 | 16.39 | | |
| Wall-Front wall | Sqm | 1 | 3.38 | | | | 2.85 | 9.63 | | |
| Stairwall Left side | Sqm | 1 | 4.16 | | | | 1.82 | 7.57 | | |
| Stairwall Right side | Sqm | 1 | 4.19 | | | | 2.85 | 11.94 | | |
| **Staircase** | | | | | | | | | | |
| 3rd Flight | Sqm | 1 | 3.15 | 1.25 | | | | 3.94 | | |
| Landing-ceiling | Sqm | 1 | 1.28 | 0.5 | | | | 0.64 | | |
| Landing-side | Sqm | 1 | 1.28 | | | | 0.20 | 0.26 | | |
| triangular portion -steps | Sqm | 11 | 0.02 | | | | | 0.24 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | 0.15 | 0.50 | | |
| waist slab-rectangular | Sqm | 1 | 3.36 | 1.24 | | | | 2.88 | | |
| 4th Flight | Sqm | 1 | 2.32 | 1.1 | | | | 1.36 | | |
| Landing-ceiling | Sqm | 1 | 1.24 | | | | 0.22 | 0.24 | | |
| terrace-landing side | Sqm | 1 | 1.10 | | | | | 0.13 | | |
| triangular portion -steps | Sqm | 6 | 0.02 | | | | | | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | 0.15 | 0.28 | | |
| waist slab-rectangular | Sqm | 1 | 1.83 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.30 | 0.75 | | |
| Beam below projected slab | Sqm | 1 | 2.50 | | | | 0.15 | 0.38 | | |
| First Floor projected slab | Sqm | 1 | 2.90 | 0.695 | | | | 2.02 | | |
| projected slab side-front | Sqm | 1 | 2.90 | | | | 0.15 | 0.44 | | |
| sides-left&right | Sqm | 2 | 0.70 | | | | 0.15 | 0.21 | | |
| **Stairwall -left** | | | | | | | | | | |
| triangular portion -steps | Sqm | -11 | 0.02 | | | | | -0.24 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | -1 | 3.36 | | | | 0.15 | -0.50 | | |
| **Stairwall -right** | | | | | | | | | | |
| triangular portion -steps | Sqm | -6 | 0.02 | | | | | -0.13 | | |
| | | | Area of step=0.5*0.25*0.175=0.022 | | | | | | | |
| waist slab-rectangular | Sqm | -1 | 1.83 | | | | 0.15 | -0.28 | | |
| **First Floor -Beam** | | | | | | | | | | |
| B5 Along grid D | Sqm | 2 | 3.83 | | | | 0.30 | 2.30 | | |
| B4 Along grid C | Sqm | 2 | 4.35 | | | | 0.30 | 2.61 | | |
| B3 Along grid B | Sqm | 2 | 4.05 | | | | 0.30 | 2.43 | | |
| B3 Along grid B' | Sqm | 4 | 4.05 | | | | 0.30 | 2.43 | | |
| B2 Along grid B"&A" | Sqm | | 4.50 | | | | 0.30 | 5.40 | | |
| **First Floor -Ceiling** | | | | | | | | | | |
| Office room | Sqm | 1 | 3.44 | 2.97 | | | | 10.22 | | |
| Toilet | Sqm | 1 | 1.45 | 2.82 | | | | 4.09 | | |
| Meeting hall | Sqm | 1 | 5.00 | 10.46 | | | | 52.30 | | |
| Slab b/w grid B,C,D,E | | | | | | | | | | |
| Rectangular portion | Sqm | 1 | 2.86 | 6.705 | | | | 19.15 | | |
| Triangular portion 1 | Sqm | 1 | 7.16 | | | | | 7.16 | | |
| | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| Triangular portion 2 | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| **Terrace head room** | | | | | | | | | | |
| staircase wall-left | Sqm | 1 | 4.17 | | | | 1.60 | 6.67 | | |
| staircase wall-right | Sqm | 1 | 3.95 | | | | 2.30 | 9.09 | | |
| Terrace beam | Sqm | 4 | 2.50 | | | | 0.30 | 3.00 | | |
| Terrace Floor ceiling | Sqm | 1 | 4.97 | 2.5 | | | | 12.43 | | |
| projected slab ceiling | Sqm | 1 | 2.90 | 0.6 | | | | 1.74 | | |
| Deduction | | | | | | | | | | |
| Terrace door | Sqm | -0.5 | 1.25 | | | | 2.00 | -1.25 | | |
| **Deduction** | | | | | | | | | | |
| D1-office room | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| D-bathroom | Sqm | -0.5 | 0.75 | | | | 2.00 | -0.75 | | |
| MD | Sqm | -0.5 | 1.00 | | | | 2.10 | -1.05 | | |
| Window W1 | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| Window W | Sqm | -6 | 1.20 | | | | 1.20 | -8.64 | | |
| Ventilator V | Sqm | -0.5 | 0.90 | | | | 0.60 | -0.27 | | |
| **Road beautification -Shops** | | | | | | | | | | |
| **Internal painting** | | | | | | | | | | |
| **Unit-1** | | | | | | | | | | |
| **5 Shops** | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| **shop no 1** -longer side | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| shorter side-rectangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | 2.94 | | | | 0.338 | 0.34 | | |
| | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| shorter side-triangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| **shop no 2** -longer side | Sqm | | | | | | | | | |
| shorter side-rectangular portion | Sqm | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| orter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| orter side-rectangular portion | Sqm | 1 | 2.96 | | | | | | | |
| orter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **hop no 3** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.96 | | | | | | | |
| horter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.22 | | |
| | | | | | | | 2.75 | 8.14 | | |
| | | | | | | | 0.355 | 0.36 | | |
| horter side-rectangular portion | Sqm | 1 | Area=0.5*2.96*0.24=0.355 2.98 | | | | | | | |
| horter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | 0.357 | 0.36 | | |
| **shop no 4** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | | | 2.75 | 8.20 | | |
| | | | | | | | 0.357 | 0.36 | | |
| shorter side-rectangular portion | Sqm | 1 | Area=0.5*2.98*0.24=0.357 2.96 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 5** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | | | 2.75 | 8.14 | | |
| | | | | | | | 0.355 | 0.36 | | |
| shorter side-rectangular portion | Sqm | 1 | Area=0.5*2.96*0.24=0.355 2.94 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.09 | | |
| | | | | | | | 0.353 | 0.35 | | |
| | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| **Unit-2** | | | | | | | | | | |
| **3 shops** | | | | | | | | | | |
| **shop no 6** -longer side | Sqm | 1 | 3 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 2.75 | 8.25 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.00 | | |
| | | | | | | | 0.364 | 0.36 | | |
| shorter side-rectangular portion | Sqm | 1 | Area=0.5*2.91*0.25=0.364 2.91 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.00 | | |
| | | | | | | | 0.36 | 0.36 | | |
| | | | Area=0.5*2.91*0.25=0.364 | | | | | | | |
| **shop no 7** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.91 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.00 | | |
| | | | | | | | 0.364 | 0.36 | | |
| shorter side-rectangular portion | Sqm | 1 | Area=0.5*2.91*0.25=0.364 2.915 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.02 | | |
| | | | | | | | 0.364 | 0.36 | | |
| | | | Area=0.5*2.915*0.25=0.364 | | | | | | | |
| **shop no 8** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.915 | | | | 2.75 | 8.22 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.02 | | |
| | | | | | | | 0.364 | 0.36 | | |
| shorter side-rectangular portion | Sqm | 1 | Area=0.5*2.91*0.25=0.364 2.92 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.03 | | |
| | | | | | | | 0.365 | 0.37 | | |
| | | | Area=0.5*2.92*0.25=0.364 | | | | | | | |
| **Unit-3** | | | | | | | | | | |
| **3 shops** | | | | | | | | | | |
| **shop no 9** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.20 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.06 | | |
| | | | | | | | 0.366 | 0.37 | | |
| shorter side-rectangular portion | Sqm | 1 | Area=0.5*2.93*0.25=0.366 2.95 | | | | | | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.11 | | |
| | | | | | | | 0.368 | 0.37 | | |
| | | | Area=0.5*2.95*0.25=0.368 | | | | | | | |
| **shop no 10**-longer side | Sqm | 1 | 2.99 | | | | | | | |
| shorter side-rectangular portion | Sqm | 1 | 2.95 | | | | 2.75 | 8.22 | | |
| shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.11 | | |
| | | | | | | | 0.368 | 0.37 | | |
| | | | Area=0.5*2.95*0.25=0.368 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| orter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| orter side-triangular portion | Sqm | 1 | | | | | 0.368 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.368 | | | | | | | |
| op no 11-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| orter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| orter side-triangular portion | Sqm | 1 | | | | | 0.368 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.368 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.92 | | | | 2.75 | 8.03 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.365 | 0.37 | | |
| | | | Area=0.5*2.92*0.25=0.365 | | | | | | | |
| nit-4 | | | | | | | | | | |
| 5 Shops | | | | | | | | | | |
| hop no 12 -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| horter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.337 | 0.34 | | |
| | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.338 | 0.34 | | |
| | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| **shop no 13** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| horter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 14** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| horter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| **shop no 15** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| horter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| **shop no 16** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| horter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.353 | 0.35 | | |
| | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| **Unit-5** | | | | | | | | | | |
| **5 Shops** | | | | | | | | | | |
| **shop no 17 -longer side** | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| horter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.337 | 0.34 | | |
| | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.338 | 0.34 | | |
| | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| **shop no 18** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| horter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| horter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| horter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |

R.K.PRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 19** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.22 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 20** -longer side | Sqm | 1 | 2.98 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.20 | | |
| | | | | | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 21**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.353 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| | | **Unit-6** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 22** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.337 | 0.34 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.338 | 0.34 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | | | | |
| | | **shop no 23** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.367 | 0.37 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 24** -longer side | Sqm | 1 | 2.99 | | | | 2.75 | 8.22 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 25** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 26**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.353 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Unit-7** | | | | | | | | | | |
| | | **5 Shops** | | | | | | | | | | |
| | | **shop no 27** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.22 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.06 | | |
| | | | | | Area=0.5*2.93*0.23=0.337 | | | | 0.337 | 0.34 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.09 | | |
| | | | | | Area=0.5*2.94*0.23=0.338 | | | | 0.338 | 0.34 | | |
| | | **shop no 28** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.22 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.09 | | |
| | | | | | Area=0.5*2.94*0.25=0.367 | | | | 0.367 | 0.37 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | | | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | 0.355 | 0.36 | | |
| | | **shop no 29** -longer side | Sqm | 1 | 2.99 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.22 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 2.75 | 8.14 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | 0.355 | 0.36 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | **shop no 30** -longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.357 | 0.36 | | |
| | | | | | Area=0.5*2.98*0.24=0.357 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | **shop no 31**-longer side | Sqm | 1 | 2.98 | | | | 2.75 | 8.20 | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.96 | | | | 2.75 | 8.14 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.355 | 0.36 | | |
| | | | | | Area=0.5*2.96*0.24=0.355 | | | | | | | |
| | | shorter side-rectangular portion | Sqm | 1 | 2.94 | | | | 2.75 | 8.09 | | |
| | | shorter side-triangular portion | Sqm | 1 | | | | | 0.353 | 0.35 | | |
| | | | | | Area=0.5*2.94*0.24=0.353 | | | | | | | |
| | | Deduction | | | | | | | 0.85 | -31.36 | | |
| | | Ventilator V | Sqm | -15.5 | 2.38 | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **1412.97** | | |
| | | **Tender Quantity** | | | | | | | | **1026.02** | | |
| | | **Quantity upto 125%** | | | | | | | | **1282.53** | | |
| | | **Quantity above 125%** | | | | | | | | **130.44** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **79.39** | | |
| | | **Now to be paid Quantity** | | | | | | | | **1203.13** | **92.69** | **111519.00** |
| | | **Quantity upto 125%** | | | | | | | | **130.44** | **92.69** | **12091.00** |
| | | **Quantity upto 125%** | | | | | | | | | | |
| Item No. 70 | | Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge | | | | | | | | **930.31** | | |
| Measurement taken on | | 25/04/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **GF wall-external** | | | | | | | | | | |
| | | Backwall room dead end | Sqm | 1 | 2.65 | | | | 3.00 | 7.95 | | |
| | | Left Wall-room | Sqm | 1 | 3.37 | | | | 3.00 | 10.11 | | |
| | | Cross wall-Left | Sqm | 1 | 7.25 | | | | 3.00 | 21.75 | | |
| | | Cross wall-Right | Sqm | 1 | 9.80 | | | | 3.00 | 29.39 | | |
| | | Stairwall -left side | Sqm | 1 | 4.11 | | | | 2.30 | 9.45 | | |
| | | Stairwall -back side | Sqm | 1 | 2.90 | 0.30 | | | 1.76 | 5.10 | | |
| | | below landing | | | | | | | | 0.87 | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|
| landing-sides | Sqm | 1 | 1.45 | | | | 0.21 | 0.30 | | |
| | Sqm | 1 | 1.45 | | | | 0.35 | 0.51 | | |
| | Sqm | 2 | 0.29 | | | | 0.21 | 0.12 | | |
| At entrance-steps | Sqm | 3 | 1.04 | | | | | | | |
| | Sqm | 3 | 1.04 | | | | 0.15 | 0.47 | | |
| Steps -side | Sqm | 1 | 0.30 | | | | 0.30 | 0.94 | | |
| | Sqm | 1 | 0.30 | | | | 0.15 | 0.05 | | |
| | Sqm | 1 | 0.30 | | | | 0.30 | 0.09 | | |
| At entrance | | | | | | | 0.45 | 0.14 | | |
| Landing | Sqm | 1 | 0.90 | | | | | | | |
| | Sqm | 1 | 2.06 | | | | 0.60 | 0.54 | | |
| | | | | | | | 0.60 | 1.24 | | |
| Compound wall-side | Sqm | 2 | 14.20 | | | | | | | |
| Compound wall-top side | Sqm | 1 | 14.20 | | | | 1.08 | 30.53 | | |
| | | | | | | | 0.15 | 2.13 | | |
| Around Transformer | Sqm | 4 | 2.35 | | | | | | | |
| Top face | Sqm | 2 | 2.35 | | | | 0.20 | 1.88 | | |
| | Sqm | 2 | 4.35 | | | | 0.15 | 0.71 | | |
| Top face | Sqm | 1 | 4.35 | | | | 0.20 | 1.74 | | |
| Steps Near Gate | Sqm | 2 | 1.20 | | | | 0.15 | 0.65 | | |
| | Sqm | 2 | 1.20 | | | | 0.15 | 0.36 | | |
| Sides | Sqm | 1 | 0.30 | | | | 0.30 | 0.72 | | |
| | Sqm | 1 | 0.30 | | | | 0.15 | 0.05 | | |
| | | | | | | | 0.30 | 0.09 | | |
| **Ground Floor Chejja** | | | | | | | | | | |
| Above W1 | Sqm | 2 | 1.80 | 0.45 | | | | 1.62 | | |
| | Sqm | 1 | 1.80 | | | | 0.10 | 0.18 | | |
| | Sqm | 2 | 0.45 | | | | 0.10 | 0.09 | | |
| Above W | Sqm | 6 | 1.50 | 0.45 | | | | 4.05 | | |
| | Sqm | 3 | 1.50 | | | | 0.10 | 0.45 | | |
| | Sqm | 6 | 0.45 | | | | 0.10 | 0.27 | | |
| **Deduction** | | | | | | | | | | |
| W1-near room | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| W | Sqm | -2.5 | 1.20 | | | | 1.20 | -3.60 | | |
| **Total Executed Quantity** | | | | | | | | **1060.33** | | |
| **Tender Quantity** | | | | | | | | **889.94** | | |
| **Quantity upto 125%** | | | | | | | | **1060.33** | | |
| **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **889.94** | | |
| **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | **40.37** | | |
| **Quantity upto 125%** | | | | | | | | **130.02** | **73.71** | **9584.00** |
| **Now to be paid Quantity** | | | | | | | | | | |
| **Quantity upto 125%** | | | | | | | | | | |

Item No. 71 — Finishing walls with water proofing cement paint of required shade New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge

Measurement taken on 24/05/2024

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Senior Citizen Building** | | | | | | | | | |
| **First Floor & terrace-ext painting** | | | | | | | 3.00 | 16.20 | |
| **First Floor -Wall** | | | | | | | 3.00 | 21.75 | |
| Wall-Back wall | Sqm | 1 | 5.40 | | | | 3.00 | 21.57 | |
| Cross wall-left side | Sqm | 1 | 7.25 | | | | 3.00 | 41.04 | |
| Cross wall-right side | Sqm | 1 | 7.19 | | | | 3.00 | 41.04 | |
| Side wall-left side | Sqm | 1 | 13.68 | | | | 2.30 | 9.45 | |
| Side wall-right side | Sqm | 1 | 13.68 | | | | | 0.87 | |
| Stairwall -left side | Sqm | 1 | 4.11 | | | | 0.21 | 0.30 | |
| Below 3rd flight landing | Sqm | 1 | 2.90 | 0.30 | | | 0.35 | 0.51 | |
| landing-sides | Sqm | 1 | 1.45 | | | | 0.21 | 0.12 | |
| | Sqm | 1 | 1.45 | | | | | | |
| | Sqm | 2 | 0.29 | | | | | 1.62 | |
| | | | | | | | 0.10 | 0.18 | |
| **First Floor Chejja** | Sqm | 2 | 1.80 | 0.45 | | | 0.10 | 0.09 | |
| Above W1 | Sqm | 1 | 1.80 | | | | | 12.15 | |
| | Sqm | 2 | 0.45 | | | | 0.10 | 1.35 | |
| | Sqm | 18 | 1.50 | 0.45 | | | | | |
| | Sqm | 9 | 1.50 | | | | | | |
| Above W | Sqm | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Above V | Sqm | 18 | 0.45 | | | | 0.10 | 0.81 | | |
| | | | Sqm | 2 | 1.20 | 0.45 | | | | 1.08 | | |
| | | | Sqm | 1 | 1.20 | | | | 0.10 | 0.12 | | |
| | | **Terrace** | Sqm | 2 | 0.45 | | | | 0.10 | 0.09 | | |
| | | parapet wall-left | | | | | | | | | | |
| | | parapet wall-left (top face) | Sqm | 2 | 20.30 | | | | 0.89 | 36.13 | | |
| | | parapet wall-right | Sqm | 1 | 20.30 | | | | 0.19 | 3.76 | | |
| | | parapet wall-left (top face) | Sqm | 1 | 20.20 | | | | 0.89 | 17.98 | | |
| | | parapet wall-back | Sqm | 1 | 20.20 | | | | 0.19 | 3.74 | | |
| | | parapet wall-back(top face) | Sqm | 2 | 5.38 | | | | 0.89 | 9.58 | | |
| | | staircase wall-left | Sqm | 1 | 5.38 | | | | 0.19 | 1.02 | | |
| | | staircase wall-right | Sqm | 1 | 4.17 | | | | 1.75 | 7.30 | | |
| | | Single coarse above headroom | Sqm | 1 | 3.95 | | | | 2.45 | 9.68 | | |
| | | Above headroom-shorter side | | | | | | | | | | |
| | | Above headroom-longer side | Sqm | 2 | 2.90 | | | | 0.20 | 1.16 | | |
| | | **Deduction** | Sqm | 2 | 4.40 | | | | 0.20 | 1.76 | | |
| | | Window W1 | | | | | | | | | | |
| | | Window W | Sqm | -0.5 | 1.50 | | | | 1.20 | -0.90 | | |
| | | Ventilator V | Sqm | -6 | 1.20 | | | | 1.20 | -8.64 | | |
| | | Terrace door | Sqm | -0.5 | 0.90 | | | | 0.60 | -0.27 | | |
| | | **Total Executed Quantity** | Sqm | -0.5 | 1.25 | | | | 2.00 | -1.25 | | |
| | | **Tender Quantity** | | | | | | | | **251.38** | | |
| | | **Quantity upto 125%** | | | | | | | | **153.64** | | |
| | | **Quantity above 125%** | | | | | | | | **192.05** | | |
| | | **Now to be paid Quantity** | | | | | | | | **59.33** | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | **192.05** | **73.71** | **14157.00** |
| | | | | | | | | | | **59.33** | **74.44** | **4417.00** |

Item No. 72 — Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete and as per the direction of engineer incharge of work.

Measurement taken on: 24/05/2024

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Quantity Recorded in 1st RA Bill | | | | | | | | **176.98** | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Groundfloor** | | | | | | | | | | |
| | | Bathroom 1 | Sqm | 1 | 2.85 | 1.50 | | | | 4.28 | | |
| | | **First Floor** | | | | | | | | | | |
| | | Bathroom 2 | Sqm | 1 | 2.80 | 1.45 | | | | 4.06 | | |
| | | **Total Executed Quantity** | | | | | | | | **185.31** | | |
| | | **Tender Quantity** | | | | | | | | **37.10** | | |
| | | **Quantity upto 125%** | | | | | | | | **46.38** | | |
| | | **Quantity above 125%** | | | | | | | | **138.94** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **37.10** | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **9.28** | | |
| | | **Quantity above 125%** | | | | | | | | **130.60** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | **8.34** | **1226.16** | **10220.00** |

Item No.73 — Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. -do- 30 mm thick both side commercial and as per the direction of engineer incharge of work

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **1.89** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **1.89** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **1.89** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 74 | | Providing Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications and as per the direction of engineer incharge of work. | | | | | | | | | | |
| | | **Total Executed Quantity** | Cum | | | | | | | 0.04 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 0.04 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 0.04 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 75 | | Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 2.61 | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Groundfloor** | | | | | | | | | | |
| | | W1-near room | | | | | | | | | | |
| | | W | Sqm | 1 | 1.50 | | | 1.20 | 1.80 | | | |
| | | **Total Executed Quantity** | Sqm | 5 | 1.20 | | | 1.20 | 7.20 | | | |
| | | **Tender Quantity** | | | | | | | | 11.61 | | |
| | | **Quantity upto 125%** | | | | | | | | 4.20 | | |
| | | **Quantity above 125%** | | | | | | | | 5.25 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 6.36 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2.61 | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | 2.64 | 8085.40 | 21346.00 |
| | | | | | | | | | | 6.36 | 8085.05 | 51421.00 |
| Item No 76 | | Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Firstfloor** | | | | | | | | | | |
| | | Window W1 | Sqm | 1 | 1.50 | | | 1.20 | 1.80 | | | |
| | | Window W | Sqm | 12 | 1.20 | | | 1.20 | 17.28 | | | |
| | | **Total Executed Quantity** | | | | | | | | 19.08 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 19.08 | | |
| | | **Now to be paid Quantity** | | | | | | | | 19.08 | 8166.25 | 155813.00 |
| Item No 77 | | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 54.81 | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Groundfloor** | | | | | | | | | | |
| | | W1-near room | Sqm | 1 | 1.50 | | | 1.20 | 1.80 | | | |
| | | W | Sqm | 5 | 1.20 | | | 1.20 | 7.20 | | | |
| | | Above collapsible gate | Sqm | 1 | 2.46 | | | 0.64 | 1.57 | | | |
| | | Stair Case Left Side | Sqm | 1 | 3.18 | | | 0.77 | 2.45 | | | |
| | | Landing | Sqm | 1 | 1.56 | | | 3.02 | 4.71 | | | |
| | | | Sqm | 1 | 1.56 | | | 2.85 | 4.45 | | | |
| | | **Road Beautification-shops** | | | | | | | | | | |
| | | Ventilator V | Sqm | 31 | 2.38 | | | 0.85 | 62.71 | | | |
| | | | | | | | | Total | 84.89 | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Total Executed Quantity** | Kg | | | | 21Kg per Sqm | | | **1782.76** | | |
| | | **Tender Quantity** | | | | | | | | **1837.57** | | |
| | | **Quantity upto 125%** | | | | | | | | **844.20** | | |
| | | **Quantity above 125%** | | | | | | | | **1055.25** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **782.32** | | |
| | | **Now to be paid Quantity** | | | | | | | | **54.81** | | |
| | | **Quantity upto 125%** | | | | | | | | **1000.44** | 190.97 | 191054.00 |
| | | **Quantity above 125%** | | | | | | | | **782.32** | 177.56 | 138908.00 |
| Item No 78 | | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Firstfloor** | | | | | | | | | | |
| | | Window W1 | Sqm | 1 | 1.50 | | | | 1.20 | 1.80 | | |
| | | Window W | Sqm | 12 | 1.20 | | | | 1.20 | 17.28 | | |
| | | Ventilator V | Sqm | 1 | 0.90 | | | | 0.60 | 0.54 | | |
| | | Stair Case Left Side | Sqm | 2 | 3.18 | | | | 0.78 | 4.93 | | |
| | | Landing | Sqm | 1 | 1.62 | | | | 3.38 | 5.48 | | |
| | | | Sqm | 1 | 1.62 | | | | 3.17 | 5.14 | | |
| | | | Sqm | 1 | 2.73 | | | | 0.26 | 0.71 | | |
| | | **Total Executed Quantity** | Kg | | | | 21Kg per Sqm | | Total | 35.87 | | |
| | | **Tender Quantity** | | | | | | | | **753.27** | | |
| | | **Quantity upto 125%** | | | | | | | | **753.27** | | |
| | | **Quantity above 125%** | | | | | | | | **483.84** | | |
| | | **Now to be paid Quantity** | | | | | | | | **604.80** | | |
| | | **Quantity upto 125%** | | | | | | | | **148.47** | | |
| | | **Quantity above 125%** | | | | | | | | **604.80** | 192.88 | 116654.00 |
| | | | | | | | | | | **148.47** | 179.33 | 26625.00 |
| Item No 79 | | Painting Steel work with Deluxe Multi Surface Paint to give an even shade Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter. cost of materials, labour complete as per specifications and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | **2.61** | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Groundfloor** | | | | | | | | | | |
| | | W1-near room | Sqm | 1 | 1.50 | | | | 1.20 | 1.80 | | |
| | | W | Sqm | 5 | 1.20 | | | | 1.20 | 7.20 | | |
| | | Stair Case Left Side | Sqm | 1 | 3.18 | | | | 0.64 | 2.04 | | |
| | | Landing | Sqm | 1 | 1.56 | | | | 0.77 | 1.20 | | |
| | | | Sqm | 1 | 1.56 | | | | 3.02 | 4.71 | | |
| | | **Firstfloor** | | | | | | | | | | |
| | | Window W1 | Sqm | 1 | 1.50 | | | | 1.20 | 1.80 | | |
| | | Window W | Sqm | 12 | 1.20 | | | | 1.20 | 17.28 | | |
| | | Ventilator V | Sqm | 1 | 0.90 | | | | 0.60 | 0.54 | | |
| | | Stair Case Left Side | Sqm | 2 | 3.20 | | | | 0.78 | 4.96 | | |
| | | Landing | Sqm | 1 | 1.62 | | | | 3.38 | 5.48 | | |
| | | | Sqm | 1 | 1.62 | | | | 3.17 | 5.14 | | |
| | | | Sqm | 1 | 2.73 | | | | 0.26 | 0.71 | | |
| | | **Road Beautification-shops** | | | | | | | | | | |
| | | Ventilator V | Sqm | 62 | 2.38 | | | | 0.85 | 125.43 | | |
| | | **Total Executed Quantity** | | | | | | | | **180.88** | | |
| | | **Tender Quantity** | | | | | | | | **126.48** | | |
| | | **Quantity upto 125%** | | | | | | | | **158.10** | | |
| | | **Quantity above 125%** | | | | | | | | **22.78** | | |
| | | **Quantity paid in 1st RA Bill** | | | | | | | | **2.61** | | |
| | | **Now to be paid Quantity** | | | | | | | | **155.49** | 118.38 | 18407.00 |
| | | **Quantity upto 125%** | | | | | | | | **22.78** | 119.56 | 2725.00 |
| | | **Quantity above 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 80 | | Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | | |
| | | **Ground Floor** | | | | | | | | | | |
| | | Bathroom 1 | | | | | | | | | | |
| | | **First Floor** | Sqm | 1 | 7.85 | | | | 2.10 | 16.49 | | |
| | | Bathroom 2 | | | | | | | | | | |
| | | Near Ventilator | Sqm | 1 | 7.85 | | | | 2.03 | 15.94 | | |
| | | | Sqm | 1 | 0.88 | | | 0.14 | 2.03 | 0.25 | | |
| | | Deduction | Sqm | 1 | 0.58 | | | | 0.14 | 0.08 | | |
| | | W | | | | | | | | | | |
| | | V | Sqm | -1 | 0.90 | | | | 0.97 | -0.87 | | |
| | | | Sqm | -1 | 0.88 | | | | 0.75 | -0.66 | | |
| | | **Total Executed Quantity** | | | | | | | | **31.22** | | |
| | | **Tender Quantity** | | | | | | | | **29.35** | | |
| | | **Quantity upto 125%** | | | | | | | | **31.22** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **31.22** | 1272.00 | 39711.00 |
| Item No 81 | | Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps ), but including cost of materials, labour, usage charges complete as per specifications and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | | |
| | | **Doors** | | | | | | | | | | |
| | | **Ground Floor** | | | | | | | | | | |
| | | Room | | | | | | | | | | |
| | | Store Room | Cum | 1 | 4.85 | 0.12 | | | 0.05 | 0.03 | | |
| | | Main Door | Cum | 1 | 4.85 | 0.12 | | | 0.05 | 0.03 | | |
| | | **First Floor** | Cum | 1 | 5.76 | 0.12 | | | 0.05 | 0.03 | | |
| | | Main Door | | | | | | | | | | |
| | | Office Room | Cum | 1 | 5.76 | 0.12 | | | 0.05 | 0.03 | | |
| | | **Total Executed Quantity** | Cum | 1 | 4.85 | 0.12 | | | 0.05 | 0.03 | | |
| | | **Tender Quantity** | | | | | | | | **0.16** | | |
| | | **Quantity upto 125%** | | | | | | | | **0.11** | | |
| | | **Quantity above 125%** | | | | | | | | **0.14** | | |
| | | **Now to be paid Quantity** | | | | | | | | **0.02** | | |
| | | **Quantity upto 125%** | | | | | | | | **0.14** | 255796.75 | 35173.00 |
| | | **Quantity above 125%** | | | | | | | | **0.02** | 263153.95 | 4979.00 |
| Item No 82 | | Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen building** | | | | | | | | | | |
| | | **Ground Floor** | | | | | | | | | | |
| | | Room | Sqm | 1 | 0.80 | | | | 2.05 | 1.64 | | |
| | | Store Room | Sqm | 1 | 0.80 | | | | 2.05 | 1.64 | | |
| | | Main Door | Sqm | 1 | 0.95 | | | | 2.00 | 1.90 | | |
| | | Hall | Sqm | 1 | 0.65 | | | | 1.98 | 1.29 | | |
| | | **First Floor** | | | | | | | | | | |
| | | Main Door | Sqm | 1 | 0.95 | | | | 2.00 | 1.90 | | |
| | | Office Room | Sqm | 1 | 0.80 | | | | 2.00 | 1.60 | | |
| | | **Total Executed Quantity** | | | | | | | | **9.97** | | |
| | | **Tender Quantity** | | | | | | | | **1.89** | | |
| | | **Quantity upto 125%** | | | | | | | | **2.36** | | |
| | | **Quantity above 125%** | | | | | | | | **7.60** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **2.36** | 10528.14 | 24873.00 |
| | | **Quantity above 125%** | | | | | | | | **7.60** | 10423.46 | 79266.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Item No. 83 Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below. 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.) and as per the direction of engineer incharge of work. | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Ground Floor** | | | | | | | | | | |
| | | Room | | | | | | | | | | |
| | | Store Room | Sqm | 1 | 0.80 | | | | 2.05 | 1.64 | | |
| | | Main Door | Sqm | 1 | 0.80 | | | | 2.05 | 1.64 | | |
| | | Hall | Sqm | 1 | 0.95 | | | | 2.00 | 1.90 | | |
| | | **First Floor** | Sqm | 1 | 0.65 | | | | 1.98 | 1.29 | | |
| | | Main Door | | | | | | | | | | |
| | | Office Room | Sqm | 1 | 0.95 | | | | 2.00 | 1.90 | | |
| | | **Total Executed Quantity** | Sqm | 1 | 0.80 | | | | 2.00 | 1.60 | | |
| | | **Tender Quantity** | | | | | | | | 9.97 | | |
| | | **Quantity upto 125%** | | | | | | | | 1.89 | | |
| | | **Quantity above 125%** | | | | | | | | 2.36 | | |
| | | **Now to be paid Quantity** | | | | | | | | 7.60 | | |
| | | **Quantity upto 125%** | | | | | | | | 2.36 | 662.24 | 1565.00 |
| | | **Quantity above 125%** | | | | | | | | 7.60 | 662.21 | 5036.00 |
| | | Item No. 84 Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per the direction of engineer incharge of work | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Road Beautification-shops** | | | | | | | | | | |
| | | Rolling shutter | Sqm | 31 | 3.00 | | | | 3.00 | 279.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 279.00 | | |
| | | **Tender Quantity** | | | | | | | | 279.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 225.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 279.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 279.00 | 2506.03 | 699183.00 |
| | | Item No. 85 Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm. Maximum possible size – 1000mm x 1000mm complete as per direction of engineer in charge. | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ventilator-First floor | Sqm | 1 | 0.90 | | | | 0.60 | 0.54 | | |
| | | **Road Beautification-shops** | | | | | | | | | | |
| | | Ventilator | Sqm | 31 | 2.38 | | | | 0.85 | 62.71 | | |
| | | **Total Executed Quantity** | | | | | | | | 63.25 | | |
| | | **Tender Quantity** | | | | | | | | 36.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 45.00 | | |
| | | **Quantity above 125%** | | | | | | | | 18.25 | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | 45.00 | 5438.65 | 244740.00 |
| | | **Quantity above 125%** | | | | | | | | 18.25 | 5438.43 | 99268.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No. 86 | | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **Ground Floor-External painting** | | | | | | | | | | |
| | | **Ground Floor-wall** | | | | | | | | | | |
| | | Back wall-room | | | | | | | | | | |
| | | Cross wall-left side | Sqm | 1 | 5.40 | | | | 3.00 | 16.20 | | |
| | | Cross wall-right side | Sqm | 1 | 7.25 | | | | 3.00 | 21.75 | | |
| | | Side wall-left side | Sqm | 1 | 7.19 | | | | 3.00 | 21.57 | | |
| | | Side wall-right side | Sqm | 1 | 13.68 | | | | 3.00 | 41.04 | | |
| | | Stairwall -left side | Sqm | 1 | 13.68 | | | | 3.00 | 41.04 | | |
| | | Stairwall -back side | Sqm | 1 | 4.11 | | | | 2.30 | 9.45 | | |
| | | At entrance-steps | Sqm | 1 | 2.90 | | | | 1.76 | 5.10 | | |
| | | | Sqm | 3 | 1.04 | | | | 0.15 | 0.47 | | |
| | | Steps -side | Sqm | 3 | 1.04 | | | | 0.30 | 0.94 | | |
| | | | Sqm | 1 | 0.30 | | | | 0.15 | 0.05 | | |
| | | | Sqm | 1 | 0.30 | | | | 0.30 | 0.09 | | |
| | | At entrance | | 1 | 0.30 | | | | 0.45 | 0.14 | | |
| | | Landing | Sqm | 1 | 0.90 | | | | | | | |
| | | | Sqm | 1 | 2.06 | | | | 0.60 | 0.54 | | |
| | | **Ground Floor Chejja** | | | | | | | 0.60 | 1.24 | | |
| | | Above W1 | Sqm | 2 | 1.80 | 0.45 | | | | | | |
| | | | Sqm | 1 | 1.80 | | | | | 1.62 | | |
| | | | Sqm | 2 | 0.45 | | | | 0.10 | 0.18 | | |
| | | Above W | Sqm | 18 | 1.50 | 0.45 | | | 0.10 | 0.09 | | |
| | | | Sqm | 9 | 1.50 | | | | | 12.15 | | |
| | | | Sqm | 18 | 0.45 | | | | 0.10 | 1.35 | | |
| | | W-Bathroom | Sqm | 2 | 1.20 | 0.45 | | | 0.10 | 0.81 | | |
| | | | Sqm | 1 | 1.20 | | | | | 1.08 | | |
| | | | Sqm | 2 | 0.45 | | | | 0.10 | 0.12 | | |
| | | **Deduction** | | | | | | | 0.10 | 0.09 | | |
| | | W1-near room | Sqm | -0.5 | 1.50 | | | | | | | |
| | | Door -left existing wall | Sqm | -0.5 | 0.75 | | | | 1.20 | -0.90 | | |
| | | W | Sqm | -5 | 1.20 | | | | 2.00 | -0.75 | | |
| | | W-bathroom | Sqm | -0.5 | 0.90 | | | | 1.20 | -7.20 | | |
| | | **Total Executed Quantity** | | | | | | | 0.60 | -0.27 | | |
| | | **Tender Quantity** | | | | | | | | **167.98** | | |
| | | **Quantity upto 125%** | | | | | | | | **113.79** | | |
| | | **Quantity above 125%** | | | | | | | | **142.24** | | |
| | | **Now to be paid Quantity** | | | | | | | | **25.74** | | |
| | | **Quantity upto 125%** | | | | | | | | **142.24** | **44.67** | **6354.00** |
| | | **Quantity above 125%** | | | | | | | | **25.74** | **44.67** | **1150.00** |
| Item No. 87 | | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **First Floor and terrace -External painting** | | | | | | | | | | |
| | | First Floor -Wall | | 1 | 5.40 | | | | 3.00 | 16.20 | | |
| | | Wall-Back wall | Sqm | 1 | 7.25 | | | | 3.00 | 21.75 | | |
| | | Cross wall-left side | Sqm | 1 | 7.19 | | | | 3.00 | 21.57 | | |
| | | Cross wall-right side | Sqm | 1 | 13.68 | | | | 3.00 | 41.04 | | |
| | | Side wall-left side | Sqm | 1 | 13.68 | | | | 3.00 | 41.04 | | |
| | | Side wall-right side | Sqm | 1 | 4.11 | | | | 2.30 | 9.45 | | |
| | | Stairwall -left side | Sqm | 1 | 2.90 | 0.30 | | | | 0.87 | | |
| | | Below 3rd flight landing | Sqm | 1 | 1.45 | | | | 0.21 | 0.30 | | |
| | | landing-sides | Sqm | 1 | 1.45 | | | | 0.35 | 0.51 | | |
| | | | Sqm | 2 | 0.29 | | | | 0.21 | 0.12 | | |
| | | | | | | | | | | 1.62 | | |
| | | **First Floor Chejja** | Sqm | 2 | 1.80 | 0.45 | | | 0.10 | 0.18 | | |
| | | Above W1 | Sqm | 1 | 1.80 | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Above W | Sqm | 2 | 0.45 | | | | 0.10 | 0.09 | | |
| | | | Sqm | 18 | 1.50 | 0.45 | | | | 12.15 | | |
| | | Above V | Sqm | 9 | 1.50 | | | | 0.10 | 1.35 | | |
| | | | Sqm | 18 | 0.45 | | | | 0.10 | 0.81 | | |
| | | | Sqm | 2 | 1.20 | 0.45 | | | | 1.08 | | |
| | | **Terrace** | Sqm | 1 | 1.20 | | | | 0.10 | 0.12 | | |
| | | parapet wall-left | | 2 | 0.45 | | | | | 0.09 | | |
| | | parapet wall-left (top face) | Sqm | 2 | 20.30 | | | | 0.89 | 36.13 | | |
| | | parapet wall-right | Sqm | 1 | 20.30 | | | | 0.19 | 3.76 | | |
| | | parapet wall-left (top face) | Sqm | 1 | 20.20 | | | | 0.89 | 17.98 | | |
| | | parapet wall-back | Sqm | 1 | 20.20 | | | | 0.19 | 3.74 | | |
| | | parapet wall-back(top face) | Sqm | 2 | 5.38 | | | | 0.89 | 9.58 | | |
| | | staircase wall-left | Sqm | 1 | 5.38 | | | | 0.19 | 1.02 | | |
| | | staircase wall-right | Sqm | 1 | 4.17 | | | | 1.75 | 7.30 | | |
| | | **Single coarse above headroom** | Sqm | 1 | 3.95 | | | | 2.45 | 9.68 | | |
| | | Above headroom-shorter side | Sqm | 2 | 2.90 | | | | | | | |
| | | Above headroom-longer side | Sqm | 2 | 4.40 | | | | | | | |
| | | **Deduction** | | | | | | | 0.20 | 1.16 | | |
| | | Window W1 | | | | | | | 0.20 | 1.76 | | |
| | | Window W | Sqm | -0.5 | 1.50 | | | | | | | |
| | | Ventilator V | Sqm | -6 | 1.20 | | | | 1.20 | -0.90 | | |
| | | Terrace door | Sqm | -0.5 | 0.90 | | | | 1.20 | -8.64 | | |
| | | | Sqm | -0.5 | 1.25 | | | | 0.60 | -0.27 | | |
| | | **Total Executed Quantity** | | | | | | | 2.00 | -1.25 | | |
| | | **Tender Quantity** | | | | | | | | **251.38** | | |
| | | **Quantity upto 125%** | | | | | | | | **153.64** | | |
| | | **Quantity above 125%** | | | | | | | | **192.05** | | |
| | | **Now to be paid Quantity** | | | | | | | | **59.33** | | |
| | | **Quantity upto 125%** | | | | | | | | **192.05** | 44.67 | **8579.00** |
| | | **Quantity above 125%** | | | | | | | | **59.33** | 45.12 | **2677.00** |
| | | Item No.88 Design and Detailed Enginnering supply and Erection of Structural Steel Support complete with 2 coat of epoxy primer coating and with necessary fixing transportation site supervision and commissioning of tensioned membrane structure including preparation of membrane shop drawings of PVC tensioned membraneRoof Structure consisting of Flying mast out of IS make CHS Floder clips Aluminium clamp boards hardware like bolts screws washers,keder profile extrusion to recive bolts galvonized cablex as perindian standard.The tensile membrane made from germany make mehler valmex FR900-type II,with 100% white colour,PVDF-lacquer on both sides protected against microbat and fungal attack UV-protected with weight og 90g/sqm with 25 years warranty all inclusive and complete as per Engineers instructions includig all lead and lift and as per the directions of the Engineer incharge 1.Tenders shall not be under a Declaration of ineligibility for corrupt and fraudulent practices issued by the Government of ineligibility for corrupt and fradulent practices issued by the government of Karnataka (GOK) /Bruhat Banglore Mahanagara palike (BBMP)2. tenders from Joint ventures are not acceptable and as per the direction of engineer incharge of work.. | | | | | | | | | | | |
| | | | Sqm | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **980.10** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **980.10** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **980.10** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No.89 Construction of Embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded with desired compaction and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **34446.38** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **34446.38** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **34446.38** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No.90 Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water, all materials,usage& all other appurtenaces required to complete the work. and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | | Cum | | | | | | | **4265.40** | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 30** | | | | | | | | **4265.40** | | |
| | | **Total Executed Quantity** | | | | | | | | **4265.40** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **4234.56** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **30.84** | 448.94 | **13846.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No. 91 | | Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | | |
| | | **Total Executed Quantity** | ltr | 1000 | | | | | | **2000.00** | | |
| | | **Tender Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | 1000.00 | | |
| | | **Quantity above 125%** | | | | | | | | **3000.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **2000.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **2500.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **500.00** | | |
| | | **Quantity above 125%** | | | | | | | | **2000.00** | | |
| | | | | | | | | | | **500.00** | | |
| | | | | | | | | | | **500.00** | **8.93** | **4465.00** |
| Item No. 92 | | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc , of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc ) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **From groundfloor to first floor** | | | | | | | | | | |
| | | Entrance Stage &Ramp Side | Sqm | 1 | 7.65 | | | | 0.92 | 7.04 | | |
| | | Entrance Steps Beside | Sqm | 1 | 1.04 | | | | 0.92 | 0.96 | | |
| | | 1st Flight & 2nd Flight | Sqm | 1 | 7.40 | | | | 0.92 | 6.81 | | |
| | | 1st Floor Projected Slab | Sqm | | 4.30 | | | | 0.92 | 3.96 | | |
| | | | | | | | | | Total | 18.76 | | |
| | | | Kg | | Take 12Kg per Sqm | | | | | **225.11** | | |
| | | **Total Executed Quantity** | | | | | | | | **225.11** | | |
| | | **Tender Quantity** | | | | | | | | **165.60** | | |
| | | **Quantity upto 125%** | | | | | | | | **207.00** | | |
| | | **Quantity above 125%** | | | | | | | | **18.11** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **207.00** | **558.38** | **115585.00** |
| | | **Quantity above 125%** | | | | | | | | **18.11** | **558.36** | **10110.00** |
| Item No. 93 | | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc , including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc , of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc ) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **From first floor to terrace** | | | | | | | | | | |
| | | 3rd Flight & 4th Flight | Sqm | 1 | 9.32 | | | | 0.92 | 8.57 | | |
| | | Terrace Projected Slab | Sqm | 1 | 4.30 | | | | 0.92 | 3.96 | | |
| | | | | | | | | | Total | **12.53** | | |
| | | | Kg | | 12Kg per Sqm | | | | | **150.36** | | |
| | | **Total Executed Quantity** | | | | | | | | **150.36** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **150.36** | **563.97** | **84802.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 94 | | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 course sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | | |
| | | **Ground Floor -Flooring** | | | | | | | | | | |
| | | Store Room | | | | | | | | 37.11 | | |
| | | Dead End Room 1 | Sqm | 1 | 2.38 | 2.26 | | | | 5.38 | | |
| | | **New Hall** | Sqm | 1 | 3.25 | 2.97 | | | | 9.65 | | |
| | | Rectangular portion | | | | | | | | 19.15 | | |
| | | Triangular portion 1 | Sqm | 1 | 6.71 | 2.86 | | | | 7.16 | | |
| | | | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| | | Triangular portion 2 | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| | | Store Room Beside(Right) | Sqm | 1 | 2.50 | 2.42 | | | | 6.05 | | |
| | | Stair Case Area | Sqm | 1 | 3.76 | 2.40 | | | | 9.02 | | |
| | | **Entrance steps** | | | | | | | | | | |
| | | Tread | Sqm | 3 | 1.07 | 0.30 | | | | 0.96 | | |
| | | Riser | Sqm | 3 | 1.07 | | | | | 3.05 | | |
| | | Landing | Sqm | 1 | 2.90 | 1.05 | | | 0.15 | 0.48 | | |
| | | Ramp | Sqm | 1 | 3.65 | 1.32 | | | | 4.82 | | |
| | | **Deduction** | | | | | | | | | | |
| | | Landing | Sqm | -1 | 1.00 | 1.20 | | | | -1.20 | | |
| | | Column | Sqm | -2 | 0.17 | 0.27 | | | | -0.09 | | |
| | | **From G.F to 1st Floor** | | | | | | | | | | |
| | | 1st Flight | | | | | | | | | | |
| | | Tread | Sqm | 11 | 1.21 | 0.30 | | | | 3.99 | | |
| | | Riser | Sqm | 12 | 1.21 | 0.14 | | | | 1.96 | | |
| | | Landing 1 | Sqm | 1 | 1.05 | 1.20 | | | | 1.26 | | |
| | | | Sqm | 1 | 0.26 | 0.22 | | | | 0.06 | | |
| | | Landing 2 | Sqm | 1 | 1.22 | 0.90 | | | | 1.10 | | |
| | | | Sqm | 1 | 0.26 | 0.26 | | | | 0.07 | | |
| | | At 2nd Flight | | | | | | | | | | |
| | | Tread | Sqm | 6 | 1.22 | 0.30 | | | | 2.20 | | |
| | | Riser | Sqm | 7 | 1.21 | 0.14 | | | | 1.14 | | |
| | | Riser | Sqm | 1 | 0.90 | 0.14 | | | | 0.12 | | |
| | | **Ground Floor -Skirting** | | | | | | | | | | |
| | | **Store Room** | Sqm | 1 | 8.40 | | | | 0.10 | 0.84 | | |
| | | Dead End Room 1 | Sqm | 2 | 2.97 | | | | 0.10 | 0.59 | | |
| | | | Sqm | 1 | 3.25 | | | | 0.10 | 0.33 | | |
| | | | Sqm | 1 | 2.20 | | | | 0.10 | 0.22 | | |
| | | | Sqm | 1 | 0.32 | | | | 0.10 | 0.03 | | |
| | | **New Hall** | Sqm | 1 | 7.10 | | | | 0.10 | 0.71 | | |
| | | Left Side Wall | Sqm | 1 | 2.25 | | | | 0.10 | 0.22 | | |
| | | Front Side Wall | Sqm | 1 | 0.28 | | | | 0.10 | 0.03 | | |
| | | | Sqm | 1 | 9.65 | | | | 0.10 | 0.97 | | |
| | | Right Side Wall | Sqm | 1 | 1.30 | | | | 0.10 | 0.13 | | |
| | | Store Room Front Wall | Sqm | 1 | 0.40 | | | | 0.10 | 0.04 | | |
| | | | Sqm | 1 | 2.50 | | | | 0.10 | 0.25 | | |
| | | Store Room Beside | Sqm | 1 | 1.16 | | | | 0.10 | 0.12 | | |
| | | | Sqm | 1 | 0.27 | | | | 0.10 | 0.03 | | |
| | | | | | | | | | 0.10 | 0.75 | | |
| | | | Sqm | 2 | 3.76 | | | | 0.10 | 0.24 | | |
| | | Stair Case Area | Sqm | 1 | 2.40 | | | | | | | |
| | | **Deduction** | Sqm | -1 | 1.05 | | | | 0.10 | -0.11 | | |
| | | Door | Sqm | -1 | 1.00 | | | | 0.10 | -0.10 | | |
| | | Landing | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Ground Floor -Staircase** | | | | | | | | | | |
| | | **From G.F to 1st Floor** | | | | | | | | | | |
| | | **1st Flight(LHS)** | | | | | | | | | | |
| | | | Sqm | 2 | 0.20 | | | | 0.10 | 0.04 | | |
| | | | Sqm | 2 | 0.24 | | | | 0.10 | 0.05 | | |
| | | Landing | Sqm | 9 | 0.20 | | | | 0.10 | 0.18 | | |
| | | | Sqm | 9 | 0.24 | | | | 0.10 | 0.22 | | |
| | | | Sqm | 1 | 0.25 | | | | 0.10 | 0.03 | | |
| | | **At 2nd Flight(LHS)** | Sqm | 1 | 0.55 | | | | 0.10 | 0.06 | | |
| | | | | 1 | 0.26 | | | | 0.10 | 0.03 | | |
| | | | Sqm | 6 | 0.22 | | | | | | | |
| | | | Sqm | 6 | 0.24 | | | | | | | |
| | | **Senior Citizen Building-Name Board** | | | | | | | 0.10 | 0.13 | | |
| | | | Sqm | 1 | 1.23 | | | | 0.10 | 0.14 | | |
| | | **Road beautification-shops** | | | | | | 0.77 | | 0.94 | | |
| | | **Unit-1 (5 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 2.99 | 2.93 | | | | 8.76 | | |
| | | shop2 | Sqm | 1 | 2.99 | 2.94 | | | | 8.79 | | |
| | | shop3 | Sqm | 1 | 2.99 | 2.96 | | | | 8.85 | | |
| | | shop4 | Sqm | 1 | 2.98 | 2.98 | | | | 8.88 | | |
| | | shop5 | Sqm | 1 | 2.98 | 2.96 | | | | 8.82 | | |
| | | **Unit-2 (3 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 3.00 | 2.91 | | | | 8.73 | | |
| | | shop2 | Sqm | 1 | 2.98 | 2.91 | | | | 8.67 | | |
| | | shop3 | Sqm | 1 | 2.99 | 2.92 | | | | 8.72 | | |
| | | **Unit-3 (3 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 2.98 | 2.93 | | | | 8.73 | | |
| | | shop2 | Sqm | 1 | 2.99 | 2.95 | | | | 8.82 | | |
| | | shop3 | Sqm | 1 | 2.98 | 2.94 | | | | 8.76 | | |
| | | **Unit-4 (5 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 2.99 | 2.93 | | | | 8.76 | | |
| | | shop2 | Sqm | 1 | 2.99 | 2.94 | | | | 8.79 | | |
| | | shop3 | Sqm | 1 | 2.99 | 2.96 | | | | 8.85 | | |
| | | shop4 | Sqm | 1 | 2.98 | 2.98 | | | | 8.88 | | |
| | | shop5 | Sqm | 1 | 2.98 | 2.96 | | | | 8.82 | | |
| | | **Unit-5 (5 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 2.99 | 2.93 | | | | 8.76 | | |
| | | shop2 | Sqm | 1 | 2.99 | 2.94 | | | | 8.79 | | |
| | | shop3 | Sqm | 1 | 2.99 | 2.96 | | | | 8.85 | | |
| | | shop4 | Sqm | 1 | 2.98 | 2.98 | | | | 8.88 | | |
| | | shop5 | Sqm | 1 | 2.98 | 2.96 | | | | 8.82 | | |
| | | **Unit-6 (5 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 2.99 | 2.93 | | | | 8.76 | | |
| | | shop2 | Sqm | 1 | 2.99 | 2.94 | | | | 8.79 | | |
| | | shop3 | Sqm | 1 | 2.99 | 2.96 | | | | 8.85 | | |
| | | shop4 | Sqm | 1 | 2.98 | 2.98 | | | | 8.88 | | |
| | | shop5 | Sqm | 1 | 2.98 | 2.96 | | | | 8.82 | | |
| | | **Unit-7 (5 Shops)** | | | | | | | | | | |
| | | shop1 | Sqm | 1 | 2.99 | 2.93 | | | | 8.76 | | |
| | | shop2 | Sqm | 1 | 2.99 | 2.94 | | | | 8.79 | | |
| | | shop3 | Sqm | 1 | 2.99 | 2.96 | | | | 8.85 | | |
| | | shop4 | Sqm | 1 | 2.98 | 2.98 | | | | 8.88 | | |
| | | shop5 | Sqm | 1 | 2.98 | 2.96 | | | | 8.82 | | |
| | | **Total Executed Quantity** | | | | | | | | **395.66** | | |
| | | **Tender Quantity** | | | | | | | | **215.60** | | |
| | | **Quantity upto 125%** | | | | | | | | **269.50** | | |
| | | **Quantity above 125%** | | | | | | | | **126.16** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **37.11** | | |
| | | **Now to be paid Quantity** | | | | | | | | **232.39** | 3217.41 | 747693.00 |
| | | **Quantity upto 125%** | | | | | | | | **126.16** | 3204.99 | 404343.00 |
| | | **Quantity above 125%** | | | | | | | | | | |

31/7/24

R.V.S.

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No. 95 | | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work. | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | **First Floor -Flooring** | | | | | | | | | | |
| | | Office Room | | | | | | | | | | |
| | | Meeting Hall | Sqm | 1 | 2.78 | 3.44 | | | | 9.56 | | |
| | | Slab b/w grid B,C,D,E | Sqm | 1 | 5.04 | 10.38 | | | | 52.32 | | |
| | | Rectangular portion | | | | | | | | | | |
| | | Triangular portion 1 | Sqm | 1 | 2.86 | | | | | | | |
| | | | Sqm | 1 | 7.16 | | | | 6.71 | 19.15 | | |
| | | | | | | | | | | 7.16 | | |
| | | Triangular portion 2 | | | Triangular area= 0.5*2.137*6.705=7.164 | | | | | | | |
| | | | Sqm | 1 | 2.18 | | | | | 2.18 | | |
| | | Staircase area | | | Triangular area= 0.5*0.649*6.705=2.176 | | | | | | | |
| | | slab projected | Sqm | 1 | 1.83 | 1.23 | | | | 2.25 | | |
| | | | Sqm | 1 | 2.95 | 0.70 | | | | 2.07 | | |
| | | **From 1st floor to terrace** | | | | | | | | | | |
| | | 3rd Flight | | | | | | | | | | |
| | | Tread | Sqm | 11 | 1.21 | 0.30 | | | | 3.99 | | |
| | | Riser | Sqm | 12 | 1.21 | 0.14 | | | | 1.96 | | |
| | | Landing 1 | Sqm | 1 | 1.10 | 1.20 | | | | 1.32 | | |
| | | | Sqm | 1 | 0.30 | 0.28 | | | | 0.08 | | |
| | | Landing 2 | Sqm | 1 | 1.21 | 0.97 | | | | 1.17 | | |
| | | | Sqm | 1 | 0.26 | 0.26 | | | | 0.07 | | |
| | | 4th Flight | | | | | | | | | | |
| | | Tread | Sqm | 6 | 1.22 | 0.30 | | | | 2.20 | | |
| | | Riser | Sqm | 7 | 1.21 | 0.14 | | | | 1.14 | | |
| | | Riser | Sqm | 1 | 0.90 | 0.14 | | | | 0.12 | | |
| | | **Deduction** | | | | | | | | | | |
| | | Columns | Sqm | -2 | 0.45 | 0.20 | | | | -0.18 | | |
| | | **Terrace** | | | | | | | | | | |
| | | Staircase area | Sqm | 1 | 1.72 | 1.23 | | | | 2.12 | | |
| | | | Sqm | 1 | 1.20 | 0.26 | | | | 0.31 | | |
| | | slab projected | Sqm | 1 | 3.03 | 0.75 | | | | 2.27 | | |
| | | **First Floor -Skirting** | | | | | | | | | | |
| | | **1st Floor** | | | | | | | | | | |
| | | Office Room | Sqm | 2 | 2.78 | | | | 0.10 | 0.56 | | |
| | | | Sqm | 2 | 3.44 | | | | 0.10 | 0.69 | | |
| | | **Deduction** | | | | | | | | | | |
| | | Door | Sqm | -1 | 0.90 | | | | 0.10 | -0.09 | | |
| | | **Meeting Hall** | | | | | | | | | | |
| | | Left Side Wall | Sqm | 1 | 19.40 | | | | 0.10 | 1.94 | | |
| | | Front Side Wall | Sqm | 1 | 2.38 | | | | 0.10 | 0.24 | | |
| | | | Sqm | 1 | 0.38 | | | | 0.10 | 0.04 | | |
| | | Right Side Wall | Sqm | 1 | 19.40 | | | | 0.10 | 1.94 | | |
| | | Stage | Sqm | 1 | 2.80 | | | | 0.24 | 0.67 | | |
| | | | Sqm | 2 | 1.80 | | | | 0.24 | 0.86 | | |
| | | Columns | Sqm | 2 | 1.28 | | | | 0.10 | 0.26 | | |
| | | **First Floor -Staircase** | | | | | | | | | | |
| | | **1st Floor To Terrace** | | | | | | | 0.10 | 0.04 | | |
| | | 3rd Flight | Sqm | 2 | 0.20 | | | | 0.10 | 0.05 | | |
| | | | Sqm | 2 | 0.24 | | | | 0.10 | 0.18 | | |
| | | | Sqm | 9 | 0.20 | | | | 0.10 | 0.22 | | |
| | | | Sqm | 9 | 0.24 | | | | | | | |

3/7/24

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Landing | | | | | | | | | | |
| | | | Sqm | 1 | 0.25 | | | | 0.10 | 0.03 | | |
| | | | Sqm | 1 | 0.55 | | | | 0.10 | 0.06 | | |
| | | **At 4th Flight(LHS)** | Sqm | 1 | 0.10 | | | | 0.10 | 0.01 | | |
| | | | | | | | | | | | | |
| | | | Sqm | | | | | | 0.10 | 0.13 | | |
| | | | Sqm | 6 | 0.22 | | | | 0.10 | 0.14 | | |
| | | Terrace-near stairs | | 6 | 0.24 | | | | | | | |
| | | | Sqm | | | | | | 0.10 | 0.08 | | |
| | | **Total Executed Quantity** | Sqm | 1 | 0.78 | | | | 0.10 | 0.06 | | |
| | | **Tender Quantity** | | 1 | 0.57 | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **119.35** | | |
| | | **Now to be paid Quantity** | | | | | | | | **102.97** | | |
| | | **Quantity upto 125%** | | | | | | | | **119.35** | | |
| | | | | | | | | | | **119.35** | **3249.58** | **387839.00** |

Item No. 96 — Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.

Measurement taken on

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | | kg | | From steel calculation sheet | | | | | 7351.55 | | |
| | | **Total Executed Quantity** | | | | | | | | **7351.55** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **7351.55** | | |
| | | **Now to be paid Quantity** | | | | | | | | **7351.55** | **122.84** | **903065.00** |

Item No. 97 — Providing and fixing PUF Pannel with precoated galvanised iron profile sheets on the top surface and a ribbed liner tray on the underside and a sandwiched insulation cover. The Profile is as follows- Inner skin: Ribbed liner, aluminium foil/craft paper Outer skin: 35x250mm trapezoidal profile with 2 secondary ribs and anti-capillary flute. The panel thickness of 50 mm. Surface finish: Metallic, solid colours, Polyvinylidene fluoride (PVDF) & super polyster coatings. The Specifications of precoated galvanised iron profile sheets is as follows (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet hould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The Rate Includes Transportation, Fixing inclusive of All Hardware and Labour Charges and as per the direction of engineer incharge of work..

Measurement taken on 03/07/2024

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Road Beautification-shops** | | | | | | | | | | |
| | | **Unit1-5 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 16.38 | 4.00 | | | | 65.52 | | |
| | | **Unit2-3 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 9.92 | 4.00 | | | | 39.68 | | |
| | | | | | | | | | | | | |
| | | **Unit3-3 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 9.92 | 4.00 | | | | 39.68 | | |
| | | **Unit4-5 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 16.38 | 4.00 | | | | 65.52 | | |
| | | **Unit5-5 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 16.38 | 4.00 | | | | 65.52 | | |
| | | **Unit6-5 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 16.38 | 4.00 | | | | 65.52 | | |
| | | **Unit7-5 Shops** | | | | | | | | | | |
| | | | Sqm | 1 | 16.38 | 4.00 | | | | **406.96** | | |
| | | | | | | | | | | **343.98** | | |
| | | **Total Executed Quantity** | | | | | | | | **406.96** | | |
| | | **Tender Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **406.96** | **3553.35** | **1446072.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

**NAME OF WORK:-Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

**Calculation Sheet**

**MEASUREMENT SHEET**

**Fourth And Final Bill**

| SL NO | Item | NO's | NO. OF ELEMENTS | TOTAL NO. | LENGTH | TOTAL LENGTH | WEIGHT /m | Weight | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | m | m | Kg/m | Kg | | |
| Item No.96 | Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. | | | | | | | | | |
| 1 | P | | | | | | | | | |
| Measurements taken on | 04/01/2023 | | | | | | | | | |
| | Food street-Shop Roof | | | | | | | | | |
| | 5 shops unit SHS 63.5X63.5X4.5 Th @7.93kg/m | 5 | 4 | 20 | 16.28 | 325.52 | 7.93 | 2581.37 | | |
| | 3 shops unit SHS 63.5X63.5X4.5 Th @7.93kg/m | 2 | 4 | 8 | 9.80 | 78.37 | 7.93 | 621.46 | | |
| | | | | | | TOTAL QUANTITY IN Kg | | 3202.83 | | |
| 2 | BASE PLATE | | | | | | | | | |
| | DESCRIPTION OF ITEMS | NO's | L | B | D | VOLUME | WEIGHT /PLATE (7850 Kg/m^3) | TOTAL WEIGHT | | |
| | | | m | m | m | m^3 | weight | | | |
| Measurements taken on | | | | | | | | | | |
| | Road beautification-For Pedestal | | | | | | | | | |
| | BASE PLATE 600X600X25mm TH | 31 | 0.6 | 0.6 | 0.025 | 0.009 | 70.65 | 2190.15 | | |
| | | | | | | TOTAL QUANTITY IN Kg | | 2190.15 | | |
| | Bolt Calculation | | | | | | | | | |
| | Description | nos of elements | nos of bolts | total numbers | BAR DIA IN mm | L in m | TOTAL Length in m | Weight in kg/m | Total weight Kg's | |
| 3 | Anchor bolt | | | | | | | | | |
| Measurements taken on | | | | | | | | | | |
| | Road beautification-For Pedestal | 31 | 10 | 310 | 25 | 1.35 | 417.26 | 3.85 | 1607.85 | |
| | Anchor bolt | 31 | 8 | 248 | 16 | 0.90 | 222.208 | 1.58 | 350.72 | |
| | | | | | | | | TOTAL QUANTITY IN Kg | 1958.57 | |
| | | | | | | | | TOTAL STEEL QUANTITY IN Kg | 7351.55 | |
| | | | | | | | | TOTAL STEEL QUANTITY IN TONNE | 7.35 | |

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE ★ PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No. 98 | | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete Gutter (600 mm over all girth) and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Road Beautification-shops** | | | | | | | | | | |
| | | Gutter for rain water | | | | | | | | | | |
| | | **Unit1-5 Shops** | | | | | | | | | | |
| | | **Unit2-3 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit3-3 Shops** | Rm | 1 | 9.92 | | | | | 9.92 | | |
| | | **Unit4-5 Shops** | Rm | 1 | 9.92 | | | | | 9.92 | | |
| | | **Unit5-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit6-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit7-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Total Executed Quantity** | | | | | | | | 16.38 | | |
| | | **Tender Quantity** | | | | | | | | 16.38 | | |
| | | **Quantity upto 125%** | | | | | | | | **101.74** | | |
| | | **Now to be paid Quantity** | | | | | | | | **81.90** | | |
| | | **Quantity upto 125%** | | | | | | | | **101.74** | | |
| Item No. 99 | | Providing & fixing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins and as per the direction of engineer incharge of work. | | | | | | | | **101.74** | **954.84** | **97146.00** |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | **Unit1-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit2-3 Shops** | Rm | 1 | 9.92 | | | | | 9.92 | | |
| | | **Unit3-3 Shops** | Rm | 1 | 9.92 | | | | | 9.92 | | |
| | | **Unit4-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit5-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit6-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Unit7-5 Shops** | Rm | 1 | 16.38 | | | | | 16.38 | | |
| | | **Total Executed Quantity** | | | | | | | | **101.74** | | |
| | | **Tender Quantity** | | | | | | | | **81.90** | | |
| | | **Quantity upto 125%** | | | | | | | | **101.74** | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | **101.74** | **62.54** | **6360.00** |
| Item No.100 | | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications For Rain water pipe do-110mm dia and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Rm | 3 | 17.25 | | | | | 51.75 | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | | Rm | 7 | 2.40 | | | | | 16.80 | | |
| | | **Total Executed Quantity** | | | | | | | | **68.55** | | |
| | | **Tender Quantity** | | | | | | | | **12.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **15.00** | | |
| | | **Quantity above 125%** | | | | | | | | **53.55** | | |
| | | **Now to be paid Quantity** | | | | | | | | **15.00** | **522.65** | **7840.00** |
| | | **Quantity upto 125%** | | | | | | | | **53.55** | **484.66** | **25954.00** |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No.101 | | Executive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch plain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and lift Charges) (inclusive of all taxes ) As per the directon of Engineer Incharge. ( Data approved rate) | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | **Road Beautification** | Nos | 40 | | | | | | 40.00 | | |
| | | | | | | | | | | **40.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **40.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **40.00** | **18477.42** | **739097.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 102 | | Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum (Tipper 5.5 m3) as per the directions of the Engineer-in-charge of the work | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 31** | Cum | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 16126.86 | | |
| | | **Tender Quantity** | | | | | | | | 16126.86 | | |
| | | **Quantity upto 125%** | | | | | | | | 13374.81 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 16126.86 | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | 4508.44 | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | 1015.04 | | |
| | | **Now to be paid Quantity** | | | | | | | | 4722.47 | | |
| Item No 103 | | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km as per the directions of the Engineer-in-charge of the work | | | | | | | | 5880.91 | 131.78 | 774986.00 |
| | | **Vide Total executed Quantity from premeasurement Page no. 32** | t.km | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 20642.38 | | |
| | | **Tender Quantity** | | | | | | | | 20642.38 | | |
| | | **Quantity upto 125%** | | | | | | | | 17119.76 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 20642.38 | | |
| | | **DPQ Quantity Paid in 2nd RA Bill** | | | | | | | | 5770.80 | | |
| | | **DPQ Quantity Paid in 3rd RA Bill** | | | | | | | | 1299.25 | | |
| | | **Now to be paid Quantity** | | | | | | | | 6044.77 | | |
| | | **Quantity upto 125%** | | | | | | | | 7527.56 | 107.21 | 807029.00 |
| Item No 104 | | Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 33** | mtr | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 585.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 585.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 585.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 385.00 | | |
| | | | | | | | | | | 200.00 | 61.93 | 12386.00 |
| Item No 105 | | Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick and as per the direction of engineer incharge of work. | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 34** | mtr | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 1225.00 | | |
| | | **Tender Quantity** | | | | | | | | 1225.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 1125.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 1225.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 825.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 400.00 | 71.07 | 28428.00 |
| Item No 106 | | Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2mm thick thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 35** | mtr | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 170.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 170.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 170.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 85.00 | | |
| | | | | | | | | | | 85.00 | 94.42 | 8026.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 107 | | Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete upto 50mm conduit in brick wall and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 36** | mtr | | | | | | | **230.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **230.00** | | |
| | | **Tender Quantity** | | | | | | | | **200.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **230.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **25.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **205.00** | 26.40 | 5412.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 108 | | Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm etc as required 25mm, and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 37** | mtr | | | | | | | **185.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **185.00** | | |
| | | **Tender Quantity** | | | | | | | | **155.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **185.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **40.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **145.00** | 28.43 | 4122.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 109 | | Supplying PVC/GI flexible conduit pipe mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm complete and as per the directions of the Engineer-in-charge of the work. | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 38** | mtr | | | | | | | **485.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **485.00** | | |
| | | **Tender Quantity** | | | | | | | | **390.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **485.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **90.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **395.00** | 31.47 | 12430.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 110 | | Supplying And Fixing Metal Fan Box with Round Hook and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | **6.00** | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ground Floor | Each | 4 | | | | | | 4.00 | | |
| | | First Floor | Each | 4 | | | | | | 4.00 | | |
| | | **Road beautification** | | | | | | | | | | |
| | | | Each | 31 | | | | | | 31.00 | | |
| | | **Total Executed Quantity** | | | | | | | | **45.00** | | |
| | | **Tender Quantity** | | | | | | | | **41.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **45.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **6.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **39.00** | 165.48 | 6454.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 111 | | Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1 5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Short point upto 3Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no. 39** | Each | | | | | | | **190.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **190.00** | | |
| | | **Tender Quantity** | | | | | | | | **137.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **171.25** | | |
| | | **Quantity above 125%** | | | | | | | | **18.75** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **9.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **162.25** | 254.83 | 41346.00 |
| | | **Quantity upto 125%** | | | | | | | | **18.75** | 254.82 | 4778.00 |
| | | **Quantity above 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No.112 | | Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 40 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 45.00 | | |
| | | **Tender Quantity** | | | | | | | | 45.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 17.00 | | |
| | | **Quantity above 125%** | | | | | | | | 21.25 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 23.75 | | |
| | | **Now to be paid Quantity** | | | | | | | | 14.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 7.25 | 366.50 | 2658.00 |
| | | **Quantity above 125%** | | | | | | | | 23.75 | 366.49 | 8705.00 |
| Item No.113 | | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | | mtr | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 41 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 1965.00 | | |
| | | **Tender Quantity** | | | | | | | | 1965.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 1725.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 1965.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 775.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 1190.00 | 26.40 | 31416.00 |
| Item No.114 | | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5 sqmm and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | | mtr | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 42 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 2660.00 | | |
| | | **Tender Quantity** | | | | | | | | 2660.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 2480.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 2660.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 1680.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 980.00 | 40.61 | 39798.00 |
| Item No.115 | | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 4 sqmm.. and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | | mtr | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 43 | | | | | | | | 290.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 290.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 290.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 200.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 90.00 | 59.90 | 5391.00 |
| Item No.116 | | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way. and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 21.00 | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | 2.00 | | |
| | | Ground Floor | Each | 2 | | | | | | 3.00 | | |
| | | First Floor | Each | 3 | | | | | | | | |
| | | **Road beautification** | | | | | | | | 70.00 | | |
| | | | Each | 70 | | | | | | 96.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 71.00 | | |
| | | **Tender Quantity** | | | | | | | | 88.75 | | |
| | | **Quantity upto 125%** | | | | | | | | 7.25 | | |
| | | **Quantity above 125%** | | | | | | | | 21.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 67.75 | 124.87 | 8460.00 |
| | | **Now to be paid Quantity** | | | | | | | | 7.25 | 124.87 | 906.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 117 | | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way. and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | Quantity Recorded in 1st RA Bill | | | | | | | | 15.00 | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ground Floor | Each | 4 | | | | | | 4.00 | | |
| | | First Floor | Each | 8 | | | | | | 8.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 27.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 27.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 15.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 12.00 | 215.23 | 2583.00 |
| Item No 118 | | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way. and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 8.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 8.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 8.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 119 | | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 10.00 | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ground Floor | Each | 2 | | | | | | 2.00 | | |
| | | First Floor | Each | 3 | | | | | | 3.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 15.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 15.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 10.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 5.00 | 329.95 | 1650.00 |
| Item No 120 | | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module. and as per the direction of engineer incharge of work. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 15.00 | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | | Each | 70 | | | | | | 70.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 85.00 | | |
| | | **Tender Quantity** | | | | | | | | 65.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 81.25 | | |
| | | **Quantity above 125%** | | | | | | | | 3.75 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 15.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 66.25 | 154.32 | 10224.00 |
| | | **Quantity upto 125%** | | | | | | | | 3.75 | 154.31 | 579.00 |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 121 | | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module. and as per the direction of engineer incharge of work. | | | | | | | | | | |
| | | | Each | | | | | | | 20.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 20.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 20.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | Nil | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 122 | | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos of machine screws, bolts nuts etc , complete on the existing metal/PVC box 8 Module and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ground Floor | Each | 7 | | | | | | 20.00 | | |
| | | First Floor | Each | 7 | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 7.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 7.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 34.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 34.00 | | |
| Item No 123 | | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos of machine screws, bolts nuts etc., complete on the existing metal/PVC box12 Module and as per the direction of engineer incharge of work | | | | | | | | 20.00 | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | 14.00 | 306.60 | 4293.00 |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ground Floor | Each | 7 | | | | | | 12.00 | | |
| | | First Floor | Each | 7 | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 7.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 7.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 26.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 26.00 | | |
| Item No 124 | | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way and as per the direction of engineer incharge of work | | | | | | | | 12.00 | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | 14.00 | 368.40 | 5158.00 |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | Present Bill Measurements | | | | | | | | 9.00 | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Ground Floor | Each | 16 | | | | | | 16.00 | | |
| | | First Floor | Each | 41 | | | | | | 41.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 66.00 | | |
| | | **Tender Quantity** | | | | | | | | 19.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 23.75 | | |
| | | **Quantity above 125%** | | | | | | | | 42.25 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 9.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 14.75 | 89.34 | 1317.00 |
| | | **Quantity upto 125%** | | | | | | | | 42.25 | 89.34 | 3775.00 |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No 125 | | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps Two way and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | 5.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 5.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | Nil | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| Item No 126 | | Stepped Fan Regulator.. and as per the direction of engineer incharge of work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | 3.00 | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 8.00 | | |
| | | **Senior Citizen Building** | Each | 8 | | | | | | 11.00 | | |
| | | | | | | | | | | 3.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 3.75 | | |
| | | **Tender Quantity** | | | | | | | | 7.25 | | |
| | | **Quantity upto 125%** | | | | | | | | 3.00 | | |
| | | **Quantity above 125%** | | | | | | | | 0.75 | 317.77 | 238.00 |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 7.25 | 317.76 | 2304.00 |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONTRACTOR

PMC

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No.127 | | 16Amps one way switch and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | **Total Executed Quantity** | Each | | | | | | | 7.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 7.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 7.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No.128 | | TV/Telephone socket and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | **Total Executed Quantity** | Each | | | | | | | 1.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 1.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 1.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No.129 | | Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | **Total Executed Quantity** | mtr | | | | | | | 111.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 111.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 111.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No.130 | | Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | **Total Executed Quantity** | Each | | | | | | | 5.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 5.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 5.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No.131 | | Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | **Total Executed Quantity** | Each | | | | | | | 24.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 24.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 24.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No.132 | | LED Indoor Supplying of 2' feet - LED PVC Square Batten W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts complete and as per the directions of the Engineer-in-charge of the work | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | 15.00 | | |
| | | **Senior Citizen Building** | | | | | | | | 10.00 | | |
| | | Ground Floor | Each | 10 | | | | | | 20.00 | | |
| | | First Floor | Each | 20 | | | | | | | | |
| | | **Road beautification** | | | | | | | | 70.00 | | |
| | | | Each | 70 | | | | | | 115.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 91.00 | | |
| | | **Tender Quantity** | | | | | | | | 113.75 | | |
| | | **Quantity upto 125%** | | | | | | | | 1.25 | | |
| | | **Quantity above 125%** | | | | | | | | 15.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 98.75 | 503.40 | 49711.00 |
| | | **Now to be paid Quantity** | | | | | | | | 1.25 | 503.54 | 630.00 |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Quantity above 125%** | | | | | | | | | | |
| Item No.133 | | Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring 5 years Warranty against any manufacturing defect working under standard electrical condition and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | **Total Executed Quantity** | Each | | | | | | | 24.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 24.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 24.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Item No.134 Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15% LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition . and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **15.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **15.00** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **15.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No.135 60W highbay LED linear type light fixture make-crompton ,model -LHBL60CDL and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **104.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **104.00** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **104.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No 136 Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **6.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **6.00** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **6.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No.137 Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| | | Measurement taken on 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | **5.00** | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | G.F &F.F | Each | 2 | | | | | | 2.00 | | |
| | | **Total Executed Quantity** | | | | | | | | **7.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **7.00** | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | **5.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **2.00** | **530.90** | **1062.00** |
| | | Item No.138 40-63Amps DP and as per the direction of engineer incharge of work. | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **6.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **6.00** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **6.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No.139 40-63Amps TPN. and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | **2.00** | | |
| | | **Modified Schedule B Quantity** | | | | | | | | **2.00** | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | **2.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **Nil** | | |
| | | Item No 140 Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure II - Double Door 12Way SP &N and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | Measurement taken on 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | **2.00** | | |
| | | **Senior Citizen Building** | Each | 2 | | | | | | 2.00 | | |
| | | G.F &F.F | | | | | | | | **31.00** | | |
| | | **Road beautification** | Each | 31 | | | | | | **35.00** | | |
| | | | | | | | | | | **29.00** | | |
| | | **Total Executed Quantity** | | | | | | | | **35.00** | | |
| | | **Tender Quantity** | | | | | | | | **2.00** | | |
| | | **Quantity upto 125%** | | | | | | | | **33.00** | **2098.40** | **69247.00** |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 141 | | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc , with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure III - Double Door 4Way TP &N. and as per the direction of engineer incharge of work. | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 1.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 1.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 1.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 142 | | Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board 32-40 Amps 2 pole. and as per the direction of engineer incharge of work. | Each | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 44 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 4.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 4.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 4.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2.00 | | |
| Item No 143 | | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm and as per the direction of engineer incharge of work.. | Each | | | | | | | 2.00 | 2692.30 | 5385.00 |
| | | **Vide Total executed Quantity from premeasurement Page no.** 45 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 4.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 4.00 | | |
| | | **DPQ Quantity Paid in 1st RA Bill** | | | | | | | | 4.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2.00 | | |
| Item No.144 | | Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts. and as per the direction of engineer incharge of work. | mtr | | | | | | | 2.00 | 78.15 | 156.00 |
| | | **Total Executed Quantity** | | | | | | | | 10.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 10.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 10.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 145 | | Fabricating supplying and mounting MS box made out SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 14SWG and as per the direction of engineer incharge of work | Sqcms | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 150000.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 150000.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | Nil | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| Item No 146 | | 600x600x3mm GI Plate and as per the direction of engineer incharge of work | Each | | | | | | | 2.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 2.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | Nil | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| Item No 147 | | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6 A Two Way Switch. and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | 60.00 | | |
| | | **Senior Citizen Building** | Each | 60 | | | | | | 315.00 | | |
| | | G F & F F | | | | | | | | **375.00** | | |
| | | **Road Beautification** | Each | 315 | | | | | | **310.00** | | |
| | | | | | | | | | | **375.00** | | |
| | | **Total Executed Quantity** | | | | | | | | 375.00 | 154.20 | 57825.00 |
| | | **Tender Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate In RS. | Amount In RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Item No 148 | | Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | Quantity Recorded in 1st RA Bill | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 8 | | | | | | 1.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 8.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 9.00 | | |
| | | **DPQ Qty Paid in 1st RA Bill** | | | | | | | | 9.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 1.00 | | |
| | | | | | | | | | | 8.00 | 2116.60 | 16933.00 |
| Item No 149 | | Supplying and fixing of slim patty fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Fluorescent Tube and as per the direction of engineer incharge of work | | | | | | | | | | |
| | | | Each | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B Quantity** | | | | | | | | 2.00 | | |
| | | **DPQ Qty paid in 1st RA Bill** | | | | | | | | 2.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | Nil | | |
| Item No 150 | | Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply and as per the direction of engineer incharge of work.. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | | Each | 31 | | | | | | 31.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 31.00 | | |
| | | **Tender Quantity** | | | | | | | | 25.00 | | |
| | | **Quantity upto 125%** | | | | | | | | 31.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| | | **Quantity upto 125%** | | | | | | | | 31.00 | 1565.14 | 48520.00 |
| E1 | | Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required .W.C. pan with ISI marked white solid plastic seat and lid | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 2 | | | | | | 2.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 2.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2.00 | 5589.18 | 11179.00 |
| E2 | | White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 2 | | | | | | 2.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 2.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2.00 | 2407.65 | 4816.00 |
| E3 | | Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet . 100mm diameter | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Nos | 2 | | | | | | 2.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 2.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 2.00 | 225.58 | 452.00 |
| E4 | | Providing and fixing brass bib cock of approved quality 20 mm nominal bore | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 5 | | | | | | 5.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 5.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 5.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 5.00 | 385.27 | 1927.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E5 | | Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | **Senior citizen building** | | | | | | | | | | |
| | | **Ground Floor** | | | | | | | | | | |
| | | Bathroom 1 | Sqm | 1 | 7.85 | | | | | 16.485 | | |
| | | **First Floor** | | | | | | | 2.10 | | | |
| | | Bathroom 2 | Sqm | 1 | 7.85 | | | | | 15.94 | | |
| | | Near Ventilator | Sqm | 1 | 0.88 | | | | 2.03 | 1.79 | | |
| | | | Sqm | 1 | 0.58 | | | | 2.03 | 1.18 | | |
| | | Deduction | | | | | | | 0.14 | 0.08 | | |
| | | W | Sqm | -1 | 0.90 | | | | 0.97 | -0.87 | | |
| | | V | Sqm | -1 | 0.88 | | | | 0.75 | -0.66 | | |
| | | **Total Executed Quantity** | | | | | | | | 32.76 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 32.76 | | |
| | | **Now to be paid Quantity** | | | | | | | | 32.76 | 276.95 | 9072.00 |
| E6 | | Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer including cost of materials ,labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. | | | | | | | | | | |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Sqm | 1 | 2.45 | | | | 2.13 | 5.22 | | |
| | | **Total Executed Quantity** | | | | | | | | 5.22 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 5.22 | | |
| | | **Now to be paid Quantity** | | | | | | | | 5.22 | 7329.03 | 38247.00 |
| E7 | | Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS 458-1988 with latest amentments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and giving necessary hydraulic test as per ISS to the required pressure and commissioning etc complete (Contractor will make his own arrangements for procuring water for testing) Before the execution of the work, the contractor shall carry out the survey RCC NP3 Class pipe of 300 mm dia | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 46 | | | | | | | | 290.60 | | |
| | | **Total Executed Quantity** | | | | | | | | 290.60 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 290.60 | | |
| | | **Now to be paid Quantity** | | | | | | | | 290.60 | 1668.49 | 484964.00 |
| E8 | | Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. Note. Upto 110mm dia Coil shall be used HDPE Grade PE100-PN6.0,110mm dia | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 47 | | | | | | | | 980.40 | | |
| | | **Total Executed Quantity** | | | | | | | | 980.40 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 980.40 | | |
| | | **Now to be paid Quantity** | | | | | | | | 980.40 | 453.41 | 444524.00 |
| E9 | | Providing and fixing Chlorinated Polyvinyl Chloride(CPVC) pipes,having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings,i/c fixing the pipe with clamps at 1.00m spacing.This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.Conceled work,including cutting chases and making good the walls etc 20mm nominal dia pipes | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 48 | | | | | | | | 50.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 50.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 50.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 50.00 | 416.54 | 20827.00 |

RUDRAPRASAD CONSULTANTS BANGALORE

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E10 | | Providing and fixing Chlorinated Polyvinyl Chloride(CPVC) pipes,having thermal stability for hot & cold water supply,including all CPVC plain & brass threaded fittings,t/c fixing the pipe with clamps at 1.00m spacing.This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.Conceled work,including cutting chases and making good the walls etc :25mm nominal dia pipes | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 49 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 239.60 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 239.60 | | |
| | | **Now to be paid Quantity** | | | | | | | | 239.60 | | |
| E11 | | Providing and fixing brass stop cock of approved quality :20 mm nominal bore | | | | | | | | 239.60 | 531.56 | 127362.00 |
| Measurements taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Nos | 10 | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 10.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 10.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 10.00 | | |
| E12 | | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc for PVC pipes 110mm dia , 6 kg/sqcm & class 3 | | | | | | | | 10.00 | 385.27 | 3853.00 |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 50 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 20.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 20.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 20.00 | | |
| E13 | | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc for PVC pipes 50mm dia , 6 kg/sqcm & class 5 | | | | | | | | 20.00 | 554.38 | 11088.00 |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 51 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 5.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 5.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 5.00 | 135.08 | 676.00 |
| E14 | | Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc for PVC pipes 63mm dia , 6 kg/sqcm & class 3 | | | | | | | | 5.00 | 215.28 | 1077.00 |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** 52 | | | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 5.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 5.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 5.00 | | |
| E15 | | Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge | | | | | | | | | | |
| Measurements taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | 7.70 | | |
| | | Ground Floor roof | Sqm | 1 | 2.70 | 2.85 | | | | 39.30 | | |
| | | | Sqm | 1 | 5.00 | 7.86 | | | | 6.24 | | |
| | | | Sqm | 1 | 2.40 | 2.60 | | | | 53.24 | | |
| | | | | | | | | | | 53.24 | | |
| | | **Total Executed Quantity** | | | | | | | | 53.24 | 2.23 | 119.00 |
| | | **Modified Schedule B quantity** | | | | | | | | | | |
| | | **Now to be paid Quantity** | | | | | | | | | | |

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E16 | | Providing and fixing PTMT grating of approved quality and colour-100 mm nominal dia | | | | | | | | | | |
| Measurements taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Nos | 3 | | | | | | 3.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 3.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 3.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 3.00 | 99.39 | 299.00 |
| E17 | | Supply and Fixing of Fiber Reinforced Plastic (FRP) Covers of size 1000mmX1000mm of Dark Grey Color with frame,etc of 40 Tonne Capacity as per approved Drawing (Quotation Rate)(Approved by CE-Smart city Project) | | | | | | | | | | |
| Measurements taken on | | | | | | | | | | | | |
| | | **Road Beautification** | | | | | | | | | | |
| | | HDPE Pipes | Nos | 24 | | | | | | 24.00 | | |
| | | Hume pipes | Nos | 10 | | | | | | 10.00 | | |
| | | **Total Executed Quantity** | | | | | | | | 34.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 34.00 | | |
| | | **Now to be paid Quantity** | | | | | | | | 34.00 | 41369.40 | 1406560.00 |
| E18 | | Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. Note: Upto 110mm dia Coil shall be used.HDPE Grade PE100-PN6.0,200mm dia | | | | | | | | | | |
| Measurements taken on | | | | | | | | | | | | |
| | | | m | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** S3 | | | | | | | | 290.60 | | |
| | | **Total Executed Quantity** | | | | | | | | 290.60 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 290.60 | | |
| | | **Now to be paid Quantity** | | | | | | | | 290.60 | 1286.91 | 373976.00 |
| E19 | | Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete. | | | | | | | | | | |
| Measurements taken on | | | | | | | | | | | | |
| | | | Cum | | | | | | | | | |
| | | **Vide Total executed Quantity from premeasurement Page no.** S4 | | | | | | | | 420.85 | | |
| | | **Total Executed Quantity** | | | | | | | | 420.85 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 420.85 | | |
| | | **Now to be paid Quantity** | | | | | | | | 420.85 | 2431.10 | 1023119.00 |
| E20 | | Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats The work is inclusive of throughing GI, Flat GI Sqm rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc , heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other complete as per specifications and directions of the Engineer in charge. | | | | | | | | | | |
| Measurements taken on | | 03/07/2024 | | | | | | | | | | |
| | | **16th B Cross Road-Four wheeler parking lot** | | | | | | | | | | |
| | | | Sqm | 1 | 5.40 | | | | 1.90 | 10.26 | | |
| | | | Sqm | 1 | 5.90 | | | | 1.90 | 11.21 | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | Gate near compound wall | Sqm | 1 | 0.99 | | | | 1.06 | 1.05 | | |
| | | Gate towards sump | Sqm | 1 | 3.02 | | | | 1.67 | 5.04 | | |
| | | **Total Executed Quantity** | | | | | | | | 27.56 | | |
| | | **Modified Schedule B quantity** | | | | | | | | 27.56 | | |
| | | **Now to be paid Quantity** | | | | | | | | 27.56 | 21674.52 | 597411.00 |

Cgte

3/7/24

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E21 | | Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S triangular plate to Eureopean type W.C. of quality and make as approved by Engineer - in - charge. | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 2 | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | **2.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **2.00** | | |
| E22 | | Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm | | | | | | | | **2.00** | **275.83** | **552.00** |
| Measurement taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 2 | | | | | | | | |
| | | **Total Executed Quantity** | | | | | | | | 2.00 | | |
| | | **Modified Schedule B quantity** | | | | | | | | **2.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **2.00** | | |
| E23 | | Finishing walls with textured exterior paint of required shade :New work (Two coats applied @ 3.28 ltr/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar dropsand foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge | | | | | | | | **2.00** | **970.43** | **1941.00** |
| Measurement taken on | | 03/07/2024 | | | | | | | | | | |
| | | **Road beautification-Shops** | | | | | | | | | | |
| | | **External painting** | | | | | | | | | | |
| | | **Unit-1 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | | 2.75 | 44.77 | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | | 2.75 | 8.06 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |
| | | | | | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | | 2.75 | 8.17 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |
| | | | | | Area=0.5*2.97*0.23=0.34 | | | | | | | |
| | | **Unit-2 3 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 9.80 | | | | | 2.75 | 26.95 | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.91 | | | | | 2.75 | 8.00 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.33 | 0.33 | |
| | | | | | Area=0.5*2.91*0.23=0.33 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.95 | | | | | 2.75 | 8.11 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |
| | | | | | Area=0.5*2.95*0.23=0.34 | | | | | | | |
| | | **Unit-3 3 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 9.80 | | | | | 2.75 | 26.95 | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.91 | | | | | 2.75 | 8.00 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.33 | 0.33 | |
| | | | | | Area=0.5*2.91*0.23=0.33 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.95 | | | | | 2.75 | 8.11 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |
| | | | | | Area=0.5*2.95*0.23=0.34 | | | | | | | |
| | | **Unit-4 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | | 2.75 | 44.77 | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | | 2.75 | 8.06 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |
| | | | | | Area=0.5*2.93*0.23=0.34 | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | | 2.75 | 8.17 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |
| | | | | | Area=0.5*2.97*0.23=0.34 | | | | | | | |
| | | **Unit-5 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | | 2.75 | 44.77 | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | | 2.75 | 8.06 | |
| | | triangular portion | Sqm | 1 | | | | | | 0.34 | 0.34 | |

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ASSISTANT EXECUTIVE ENGINEER

| Chainage From | Chainage To | Description of Item | Unit | No | Length (m) | Breadth B1 | Breadth B2 | Breadth Avg B | Depth (m) | Quantity | Rate in RS. | Amount in RS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | Area=0.5*2.93*0.23=0.34 | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | **Unit-6 5 shops** | | | | | | Area=0.5*2.97*0.23=0.34 | | | | |
| | | Long wall | | | | | | | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 16.28 | | | | 2.75 | 44.77 | | |
| | | triangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | | Sqm | 1 | | | | | 0.33695 | 0.34 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | Area=0.5*2.93*0.23=0.34 | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34155 | 0.34 | | |
| | | | | | | | | Area=0.5*2.97*0.23=0.34 | | | | |
| | | **Unit-7 5 shops** | | | | | | | | | | |
| | | Long wall | Sqm | 1 | 16.28 | | | | 2.75 | 44.77 | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.93 | | | | 2.75 | 8.06 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | | | | Area=0.5*2.93*0.23=0.34 | | | | |
| | | Short wall-rectangular portion | Sqm | 1 | 2.97 | | | | 2.75 | 8.17 | | |
| | | triangular portion | Sqm | 1 | | | | | 0.34 | 0.34 | | |
| | | | | | | | | Area=0.5*2.97*0.23=0.34 | | | | |
| | | Deduction | | | | | | | | | | |
| | | v | Sqm | -31 | 2.38 | | | | 0.85 | -62.71 | | |
| | | **Total Executed Quantity** | | | | | | | | **333.13** | | |
| | | **Modified Schedule B quantity** | | | | | | | | **333.13** | | |
| | | **Now to be paid Quantity** | | | | | | | | **333.13** | **232.28** | **77380.00** |
| E24 | | Constructing brick masonry chamber of internal dimension 450x450mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover. | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 1 | | | | | | 1.00 | | |
| | | **Total Executed Quantity** | | | | | | | | **1.00** | | |
| | | **Modified Schedule B quantity** | | | | | | | | **1.00** | | |
| | | **Now to be paid Quantity** | | | | | | | | **1.00** | **4315.01** | **4316.00** |
| E25 | | Providing, supplying to work site,Single Phase Submersible Pump Sets of 100mm dia (4 inch) suitable for bore well confirming to IS 8034-2000 specifications,with testing of as per instructions of engineer incharge of work and latest amendments. 1.00 HP/0.75KW 7 STG(Pg No. 158, It No.6.1 of PWD S.R 2021-22) | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 1 | | | | | | 1.00 | | |
| | | **Total Executed Quantity** | | | | | | | | **1.00** | | |
| | | **Modified Schedule B quantity** | | | | | | | | **1.00** | **15047.80** | **15048.00** |
| | | **Now to be paid Quantity** | | | | | | | | | | |
| E26 | | Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor upto 12.5 HP(Pg No. 10, It No.5.2.1 of PWD Ele. S.R 2022-23). | | | | | | | | | | |
| Measurement taken on | | | | | | | | | | | | |
| | | **Senior Citizen Building** | | | | | | | | | | |
| | | | Each | 1 | | | | | | 1.00 | | |
| | | **Total Executed Quantity** | | | | | | | | **1.00** | | |
| | | **Modified Schedule B quantity** | | | | | | | | **1.00** | **7017.06** | **7018.00** |
| | | **Now to be paid Quantity** | | | | | | | | | **Total Amount** | **36174432.00** |
| | | | | | | | | | | | **GST charges (18%)** | **6511397.00** |
| | | | | | | | | | | | **Grand Total** | **42685829.00** |

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PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

90+65
85

**BRUHAT BENGALURU MAHANAGARA PALIKE**

# TENDER DOCUMENT – KW4

(WORKS COSTING MORE THAN Rs. 100 LAKHS)

**Name of Work: - Construction of Synthetic tennis court, street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara Nagar, Allalasandra village and surrounding areas in ward No 04 of Yelahanka Diyision under Amruth Nagarothan Grants. (PACKAGE No-06)**

Estimate Cost: 2000.00 Lakhs

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EXECUTIVE ENGINEER
YELAHANKA DIV

**BRUHAT BENGALURU MAHANAGARA PALIKE**

No: BBMP/EE/YNK.D/E-PMT/06/2022-23

Office of the Executive Engineer
Yelahanka division, Bangalore – 560064.
Dated: **24-06-2022**

## INVITATION FOR TENDER (IFT)

**(Short term- Tender Notification)**

**(Two Cover System)**

(Through **GOK e–Procurement Portal** only)

1. The Executive Engineer Yelahanka Division invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka (viz https://eproc.karnataka.gov.in).The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract **as per standard tender document KW-4**
2. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online/RTGS /NEFT /OTC and the balance by bank guarantee issued by Nationalized / Scheduled Bank and shall have to be valid for 180 days beyond the validity of the tender)
3. Tenders must be submitted online through e-procurement portal on or before 16.00 hours on **16-07-2022** and the opening of tenders will be as per the e-procurement portal guidelines.
4. GST Shall be Paid to the tendered amount separately
5. Other details can be seen in the tender documents.

| Sl. No. | Name of the Work | Tender Put Amount in Lakhs | EMD in Lakhs | Cost of Tender form in Rs. (Non-Refundable) | Period of Completion |
|---|---|---|---|---|---|
| 1 | Improvements to roads, drains and other developmental works at Yelahanka old town, Maruthinagara, Sapthagiri layout Gandinagara KHB colony, Nehru nagara, shivanahalli, PDMS APTS premise and surrounding areas in ward No 01 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-01) | 875.00 | 13.15 | As per E-Procurement Portal | 180 days |
| 2 | Improvements to roads, drains and other developmental works at 5th phase, puttenahalli, ISAAC layout kondappa layout, kamakshamma layout, hanumappa layout, A sector and surrounding areas in ward No 02 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-02) | 1100.00 | 15.00 | As per E-Procurement Portal | 180 days |

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| | | | | | |
|---|---|---|---|---|---|
| 3 | Improvements to roads, drains and other developmental works at Akshaya, Tirumala Nagar, Attur layout, Santhosh nagara, Muneshwara layout, Sri Sai layout, B sector and surrounding areas in ward No 03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-03) | 1865.00 | 18.65 | As per E-Procurement Portal | 180 days |
| 4 | Improvements to roads, drains and other developmental works at 407,707,208 SFS, Major Akshay Girish Kumar Road, Yelahanka 4th & 5th phase and surrounding areas in ward No 01,03 & 04 of Yelahanka Division under Amruth Nagarothan Grants.(PACKAGE No-04) | 875.00 | 13.15 | As per E-Procurement Portal | 180 days |
| 5 | Improvements to roads, drains and other developmental works at Shivamandira road, Mathru layout, Sharada Nagar, Judicial Layout and Surrounding Areas in ward No 02,03 & 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-05) | 1140.00 | 15.00 | As per E-Procurement Portal | 180 days |
| 6 | Construction of Synthetic tennis court, street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara Nagar, Allalasandra village and surrounding areas in ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06) | 1750.00 | 17.50 | As per E-Procurement Portal | 180 days |

**Calendar of events:**

- Date of Pre bid meeting at the office Executive Engineer (Yelahanka Division) on **08-07-2022** at **16.00 hrs.**
- Date of Opening of bids on **18-07-2022 after 11:00 hours**

**ESSENTIAL CONDITIONS:**

1. The Tender Notification along with Blank Tender Form will be accessible in the website of GOK e- Procurement Platform **(Error! Hyperlink reference not valid..**
2. The interested contractors / suppliers may download the tender documents. The contractors may choose or otherwise attending the pre-bid meeting indicated in the Invitation for Tender.
3. Tender documents may be downloaded from Government of Karnataka e-Procurement website **http://eproc.karnataka.gov.in** under login for Contractors. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website https://eproc.karnataka.gov.in or contact e-Procurement Helpdesk at 080 – 22485867 / 22485927.
4. The contractors shall submit the digitally signed tenders electronically on or before the date and time of submission published in the e-procurement portal along with stipulated EMD notified in the tender document.
5. The contractor / supplier shall attach scanned DD or Bank Guarantee (for EMD) along with the bid on e-procurement portal and submit the original Bank Guarantee on

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before the last date and time notified in the Tender Document to the Tender Inviting authority.

6. The tenders will be evaluated only on confirmation of receipt of payment of EMD.
7. The Tender will remain valid for **180 Days** from the Date of Opening of Tender.
8. The Contractor is not eligible for submission of application for tender form if he has not put the tender after purchase of the tender document continuously for three times.
9. The Successful tenderer will have to execute an agreement with BBMP within **seven days** of receipt of intimation of Letter of Acceptance, failing which his tender will be summarily rejected without giving any further Notice.
10. The Contractor / Agency shall intimate the change, if any, in any of the addresses, in advance or maximum within one week of such change along with acknowledgement of noting down of such change in address from the bank, Income tax, GST authorities etc. Failure to do so liability lies on the Contractor / Agency what so ever.
11. The Work shall be commenced with all Men, Material Tools and Plants within 7 days from the Date of Work Order, failing to which it would be presumed that the Successful Tenderer is not interested in the Work and Action will be taken to get the Work executed through Alternate Agency at the risk and cost of the Former Tendered.
12. Defect Liability Period (DLP) and Maintenance Period will be as per Commissioner Order No: ಆ/ಒ.ಎಸ್.ಆರ್/G-5317/2012-13 ದಿನಾಂಕ: 28.09.2012
13. FSD will be refunded only after Defect Liability Period (DLP) as per Condition 12.
14. Tenders must be accompanied by Earnest Money Deposit specified for the work in the Table below. Earnest Money Deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for **90 days** beyond the validity of the tender.
15. Frequency of the Quality tests of all the materials and other tests have to be conducted by contractor as per Specifications for Road and Bridge Works (5th Revision) and IRC:SP:11-1984 Handbook of Quality Control for Construction of Roads and Runways, IRC:SP:112-2017 Manual for Quality Control in Road and Bridge Works, IRC:SP:47-1998 Guidelines on Quality Systems for Road Bridges (Plain, Reinforced, Prestressed), RC:SP:57-2000 Guidelines for Quality Systems for Road Construction and Composite Concrete and SP:7-2005 National Building Code of India & other relevant Indian standards in his laboratory or any other Laboratory assigned by the BBMP on his own cost in presence of Engineer/ consultants appointed by BBMP.
16. As per Govt. Order No. LD 300/LET/2006, Dated: 18.07.2007, 1% of the bill amount will be deducted and remitted to Karnataka State Building & Other Construction Employees Welfare Board.
17. The Tenderers are advised to note the minimum qualification criteria specified in clause 3 of the Instructions to Tenderers to qualify for award of the contract **(Standard Tender Document KW 4** also Tenderers are advised to go through the Standard Bid Documents.
18. Any Corrigendum / Modification will be notified in the Notice Board of the Undersigned.
19. The BBMP reserves the right to accept/reject any or all tenders without assigning any reasons what so ever.
20. **Successful Tenderer should deliver to the employer a security deposit equivalent 5% of the Contract price in form of DD / Bank Guarantee in favor of Commissioner BBMP otherwise action will be initiated as per Standard Bid document clauses.**
21. **An additional security for unbalanced bids in the form of DD/ Bank Guarantee to be submitted in favor of Commissioner BBMP to the undersigned before opening of the technical bid otherwise their bids will be rejected.**

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22. The Tender Accepting Authority shall have the power to accept or to reject any tender without assigning any reason thereof.
23. GST will be paid to the tendered amount separately only for 2018-19 schedule of rates and for GST/VAT is included in other than 2018-19 schedule of Rates.
24. As per Government Circular No. CI 81 MMN 2014 Dt: 18.02.2014 & ಗಭೂಇ:ಡಿಸಿಬಿ/ ಕಗಗು/ರಾ.ಪ.ಕೋ/2013-14 ದಿನಾಂಕ: 13.03.2014 the contractors are liable to pay royalty in terms of the contract if they are not able to produce the materials purchased document / MDP's from where they purchase.
25. Black Listed Contractors / in Govt. / Quasi Govt. / Boards / BBMP etc., are not eligible to quote, if found such Tenders will be rejected.
26. All the participants should produce all the original documents for verification whenever necessary.
27. The work shall be carried out as per the directions of the BBMP and if necessary, in coordination with BESCOM, BWSSB, Other Utility Agencies and Engineer in charge of Work.
28. No Joint Venture / Consortium is permissible.
29. The Work shall be commenced with all Men and Machinery within 7 days from the Date of Work Order, failing which it would be presumed that the Successful Tenderer is not interested in the Work and Action will be taken to get the Work executed through Alternate Agency at the risk and cost of the Former Tenderers.
30. Conditional Tenders will not be entertained and they are summarily rejected.
31. Further particulars can be had from the office of the Executive Engineer, Yelahanka Division, and BBMP during the working days between 10.00 A.M. to 5.30 P.M.
32. The Construction Debris Generated from Work Shall be dumped in Designated Dumping Yards Only.
33. If the Contractor has any liability whatsoever to the BBMP / Govt the same will be deducted from the Contractors bills.
34. Bidder shall submit the bids electronically before the stipulated date and time for the submission published in e-procurement portal. No tenders can be submitted after the due date and time as the portal will not accept late tenders.
35. The contractor / supplier can modify and correct or upload any other relevant document in the portal before last date and time of submission on e-portal. No modifications or withdrawal of tender is possible the closing time of the submission of the tender.
36. In the event of the specified date of tender opening being declared a holiday for the tender inviting authority, the tenders will be opened the next immediate working day.
37. As per Commissioner inter Office Note No:D/ಒಆರ್/1629/18-19 Dated:18-08-2018. The Contractors to Implement/Entrusted the works in 3 shifts round the clock.
38. Bidders Should Submit the **one set of Hard Copy with spiral Binding of all documents which are uploaded in the e-portal to this office before opening the technical bid.** Otherwise, their bid will be rejected.
39. The Bidder /Contractors should shall not Quote below the minimum labor rates prevailing @ the time of Tender Notification. If so, they shall be providing the Rate Analyses for the same. (To be uploaded in e-procurement plat form).

**Sd/-**
**Executive Engineer**
Yelahanka Division

Copy to:

1. The Chief Commissioner, BBMP for kind information.

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2. Copy submitted to the Special Commissioner (Projects) for kind information.
3. Copy submitted to Zonal Commissioner (Yelahanka) For Kind Information.
4. Copy submitted to the Special Commissioner (Finance) & Tender bulletin officer, BBMP for requesting to publish the tender notification in tender bulletin.
5. Copy submitted to the Joint Commissioner (Yelahanka) for kind information.
6. Copy submitted to the Engineer-In-Chief for kind information.
7. Copy submitted to the Chief Engineer (Yelahanka) for kind information.
8. Copy submitted The Deputy Commissioner (Bengaluru Urban) for kind information & requested to arrange for publication and to send a copy of the same to this Office for further action.
9. Copy submitted to Chief Auditor / Chief Account officer for kind information
10. Copy submitted to A.C.F (Yelahanka) for information.
11. Copy to Public Relationship Officer, BBMP with request to make arrangements for publication of notification in two leading daily Kannada and English Bangalore based Newspapers as the case may be within next two days & requested to communicate the same to this Office as early as possible.
12. Copy to Acct. Suptd. / Cashier of Division office for Necessary Action..
13. Copy to IT Advisor with Soft copy for needful action to place in the BBMP website.
14. Copy to Store Keeper/ Records Section, Mayo Hall, Bangalore for information and need full action.
15. Copy to Assistant Executive Engineer (Yelahanka sub Division and Satellite Town Sub Division) for Information & Necessary Action.
16. Notice Board / Office Copy.

Executive Engineer
Yelahanka Division
Bruhath Bangalore Mahanagara
Palike

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EXECUTIVE ENGINEER
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## SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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EXECUTIVE ENGINEER
YELAHANKA DIV

## A. General

1. **Scope of Tender**

1.1 **The Executive Engineer, Yelahanka Division, BBMP** (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. **Eligible Tenderer's:**

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BBMP

2.2 **Tenders from Joint ventures are not acceptable.**

3. **Qualification of the Tenderer:**

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2017-18 to 2021-22)

*(a)* achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs.35.00 Crores**

(b) satisfactorily completed (at least 50% of the contract value) as prime contractor, at least one similar work such as Improvements of Roads and Drains of value not less than **Rs. 900.00 Lakhs**

*(c)* executed in any one year, the following minimum quantities of work:[1]

| Sl. No | Description | Unit | Quantity |
|---|---|---|---|
| 1 | Earthwork excavation | Cum | 10410 |
| 2 | PCC/RCC | Cum | 4429 |
| 3 | TMT Steel | Tonne | 110 |
| 4 | Pre Cast Covering Slabs | Sqm | 5280 |
| 5 | Pre Cast Kerb Stone | Nos | 15840 |
| 6 | M S Grills | Kgs | 1060 |
| 7 | Solid Concrete blocks | Sqm | 520 |
| 8 | Cement plaster | Sqm | 2010 |
| 9 | Heavy duty cobble stones | Sqm | 3970 |
| 10 | Executive Bench-Made out of Sadarahalli grey granite stone | No | 33.00 |
| 11 | M30 | Cum | 420 |
| 12 | BM & BC | Cum | 1800 |
| 13 | Wet Mix Macadam | Cum | 2230 |

Note: Certified Contractors Bill Copies shall be uploaded (Admitted Bill Copies)

(d) The Tenderer or his identified sub-contractor should possess required valid electrical license for executing building electrification works and should have executed similar electrical works totaling Rs. _____ *(usually not less than 50% of the electrical works)*[2] in any one year.

[1] Specify the principal items of works to be executed under this contract
[2] This is for building works. Appropriately change for other works.


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(c) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs..... *(usually not less than 50% of the water supply/sanitary engineering works)** in any one year;

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning critical equipment and at least 50% of the required/specified key equipment for this work and the remaining 50% can be deployed on lease/hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this

(b)

(c) work are furnished.

| Sl No | Description of equipment | Qty | Ownership |
|---|---|---|---|
| 1 | Hot Mix Plant | 1 No | Own |
| 2 | Excavator | 4 No | At least 50% Own |
| 3 | Mechanical Paver Finsher | 2 No | At least 50% Own |
| 4 | Vibratory Road Roller with Capacity 8-10 Tonne | 2 No | At least 50% Own |
| 5 | Tractor Mounted with Air Compressor for cleaining | 2 No | At least 50% Own |
| 6 | Tractor Mounted with Heating Bitumen in Boiler Fitted with Spray Set | 2 No | At least 50% Own |
| 7 | Concrete Mixer Machine | 4 Nos | At least 50% Own |
| 8 | Tippers / Tractors | 6 Nos | At least 50% Own |
| 9 | Water tankers | 4 Nos | At least 50% Own |

(d) Liquid assets and /or availability of credit facilities of not less than **Rs. 530.00 Lakhs** (Credit lines/ letter of credit certificates from banks for meeting the fund requirement etc.

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

**Assessed available tender capacity = (A*N*1.5 - B)**

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to* **2021-2022** *price level)* taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at **2021-2022** price level, of existing commitments and on-going works to be completed during the next **06 months**

Note: ***The statement showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.***

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or

* This is for building works. Appropriately change for other works.

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- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

**4. One Tender per Tenderer:**

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

**5. Cost of Tendering:**

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

**6. Site visit:**

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

## B. Tender documents

**7. Content of Tender documents**

7.1 The set of tender documents shall have all the Sections given in Page 2:

7.2 Both the sets should be completed and returned with the tender.

**8. Clarification of Tender Documents**

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at **The Office of the Executive Engineer , Yelahanka Division, Bangalore – 560064 on 08-07-2022 at 15.00 Hours**

8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage

8.2.3 The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than ~~2~~ **days before Pre bid meeting.**

8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.

8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

**9. Amendment of Tender documents**

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

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9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

## C. Preparation of Tenders

**10. Documents comprising the Tender**

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

**10.1.1 First Cover:**
(a) Earnest Money Deposit;
(b) Qualification Information as per formats given in Section 3;

**10.1.2 Second Cover:**
(a) The Tender (in the format indicated in Section 4)
(b) Priced Bill of Quantities (Section 9);
and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

**11. Tender prices**

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

**12. Tender validity**

12.1 Tenders shall remain valid for a period not less than **180 days** after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

**13. Earnest money deposit**

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13.1 The Tenderer shall furnish, as part of his tender, earnest money deposit (EMD) at the following rates

a) upto Rs.20 Lakhs - 2.5%
b) Rs.20 Lakhs and above upto Rs. 1 crore – 2% subject to a minimum of Rs. 50,000/-
c) Rs.1 crore and above up to Rs.10 crores – 1.5% subject to a minimum of Rs. 2,00,000/-
d) Rs.10 crores and above – 1% subject to a minimum of Rs.15,00,000/-.
e) Fixed Deposit Receipt (FDR) subject to the following condition
- Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of the tender.

**Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2009 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender.**

**As per Circular: PWD:15:ITC:2008/2009 Dated:02-12-2010 the Tenderer shall submit the ORIGINAL BG/FDR for Part EMD on or before the Opening of Technical Bid, if failed to submit, the bid will be rejected and the initial amount deposited through e-procurement will be forfeited and further their names will be proposed for Black Listing if resorted repeatedly.**

13.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days **beyond** the validity of the tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:
(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;
(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or
(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to
(i) Sign the Agreement; or
(ii) Furnish the required Security deposit

**14. Format and signing of Tender**

14.1 The Tenderer shall prepare one original and a copy of the documents comprising the Tender as described in Clause 10 of these *Instructions to Tenderers*, and clearly marked "**ORIGINAL**" and "**COPY**" as appropriate. In the event of discrepancy between them, the original shall prevail.

14.2 The original and a copy of the Tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. All pages of the tender where entries or amendments have been made shall be initialed by the person signing the tender

14.3 The Tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

## D. Submission of Tenders

**15. Sealing and marking of tenders**

15.1 The Tenderer shall seal the original and a copy of the Tender in separate envelopes, duly marking the envelopes as "**ORIGINAL**" and "**COPY**". These envelopes (called as inner envelopes) shall then be put inside one outer envelope.

15.2 The **inner and outer** envelopes shall
(a) be addressed to the Employer at the following address:
**Office of the Executive Engineer**
**Yelahanka Division**
**CMC Road, Yelahanka old town Bangalore – 560064.**
(insert address of office for Tender submission), and

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(b) bear the following identification:
Tender for .....[name of contract]
Tender Reference No. .....[insert number]
DO NOT OPEN BEFORE .....[time and date for tender opening, per Clause 19]

15.3 In addition to the identification required in Sub-Clause 15.2, the inner envelopes shall indicate the name and address of the Tenderer to enable the tender to be returned unopened in case it is declared late, pursuant to Clause 17.

15.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Tender.

Note:-

1. The Tenderer shall access Tender Documents, fill them and submit the Completed Tender Document as stated in Clause 10 through Website of e – Procurement itself (www.eproc.karnataka.gov.in). The Signed, Sealed and Scanned Copy of all the Documents as stated in Clause 10 shall be attached to the e – Tender Document, failing which the Bid will not be considered. It is the Responsibility of the Tenderer to submit all the Documents pertaining to Eligibility Criteria / Qualification Information with due diligence. All the Pages of the Document shall be serially numbered with an Index for ready reference.
2. No Physical Documents shall be considered. However, all the participating Tenderers shall produce all the Original Documents for Verification whenever asked by the Employer.

**16. Deadline for submission of the Tenders**

16.1 Tenders must be received by the Employer at the address specified above no later than **16-07-2022. at 16.00 hours** In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

**17. Late Tenders**

17.1 Any Tender received by the Employer after the deadline prescribed in Clause 16 will be returned unopened to the Tenderer.

**18. Modification and Withdrawal of Tenders**

18.1 Tenderers may modify contents of First or Second Covers separately for each Cover or withdraw their Tenders by giving notice in writing before the deadline prescribed in Clause 16.

18.2 Each Tenderer's modification separately for each Cover or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 14 & 15, with the outer and inner envelopes additionally marked "**MODIFICATION FOR FIRST/SECOND COVER**" or "**WITHDRAWAL**", as appropriate.

18.3 No Tender may be modified after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 15.

18.5 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

## E. Tender opening and evaluation

**19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers**

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19.1 The Employer will open the First Covers of all the Tenders received (except those received late or withdrawn), including modifications for First Cover made pursuant to Clause 18[2], in the presence of the Tenderers or their representatives who choose to attend on **18-07-2022 at 16.00 hours** on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

19.2 Envelopes marked "**WITHDRAWAL**" shall be opened and read out first. The First Cover of Tenders for which an acceptable notice of withdrawal has been submitted pursuant to Clause 18 shall not be opened.

19.3 The Tenderers names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening. Late and withdrawn Tenders will be returned unopened to tenders.

19.4 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 19.3.

19.5 The Second Cover of all the Tenderers including modifications for Second Cover shall be placed in a large cover and securely sealed in the presence of the tenderers or their representatives, who are present and also get the same signed by all those tenderers or their representatives. The large cover shall be kept in safe custody by the Employer.[4]

19.6 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[5]

20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the appointed time and date in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

20.2 Envelopes marked **"MODIFICATION FOR SECOND COVER"** shall be opened and the submissions therein read out in appropriate detail.

20.3 The Tenderers' names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening.

20.4 The Employer shall prepare minutes of the Second Cover Tender opening, including the information disclosed to those present in accordance with Sub-Clause 20.3.

**21. Process to be confidential**

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

**22 Clarification of Tenders**

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The

[4] **Refer GOK circular No. PWD 1359 SQ/FC 2001 (P-2) dated 30th June 2003.**

[5] The evaluation of the technical aspects contained in the first cover should be completed within a reasonable period and the time gap between the opening of the first and second cover should be the minimum and in any case not more than 45 days. [In exceptional cases, approval of the Secretary to the Government of the concerned Department/Managing Director of the Corporation shall be obtained where the period is more than 45 days but less than 60 days. If it exceeds 60 days the tenders shall be re-validated.

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request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

**23. Examination of Tenders and determination of responsiveness**

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

**24. Correction of errors**

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the rates in figures and in words, the lower of the two will govern*, and

(b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and, with the concurrence of the Tenderer, shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the earnest money deposit may be forfeited in accordance with Sub-Clause 13.6 (b).

**25. Evaluation and comparison of Tenders**

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

(a) making any correction for errors pursuant to Clause 24; and

(b) making appropriate adjustments to reflect discounts or other price modifications offered in accordance with Sub Clause 18.5.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

* Clause 2502) of Chapter VI of KTPP Rules 2000 states that " in case of discrepancy between the price quoted in words and figures, the lower of the two shall be considered".

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25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

## F. Award of Contract

**26. Award criteria**

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

**27. Employer's right to accept any Tender and to reject any or all Tenders**

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

**28. Notification of award and signing of Agreement**

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

**29. Security deposit**

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 3% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works.

- Banker's cheque/Demand draft/Pay Order in favour of Commissioner BBMP payable at Bangalore or
- **A Bank Guarantee in the form given in Section 10; or**
- **Special Small savings instruments pledged to Commissioner, BBMP / Executive Engineer – Yelahanka Division, BBMP**

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank

29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

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29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

**30 Advance Payment and Security:**

**31. Corrupt or Fraudulent practices**

31.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP:

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BBMP contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

## SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____

Principal place of business: (Attach Copy)

_____

1.2 Total value of civil engineering construction works executed and payments received in the last five years (in Rs. Lakhs) Attach Certificate from Chartered Accountant

**2017 - 18** .....
**2018 - 19** .....
**2019 - 20** .....
**2020 - 21**.....
**2021 - 22** .....

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above

| Project Name | Name of Employer | Description of Work | Contract Number | Value of Contract Rs. Lakhs | Date of issue of work order | Specified period of completion | Actual date of Actual date of | Remarks explaining reasons for delay in completion of work |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | |

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above

| Year | Name of Work | Name of Employer | Quantity of work performed (cum)[1] | | | Remarks (Indicate contract reference) |
|---|---|---|---|---|---|---|
| | | | Cement Concrete | Masonry | Earthworks | |
| 2017-18 | | | | | | |
| | | | | | | |

[1] Items of work for which data is requested should tally with that specified in ITT Clause 3

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| | | | | | | |
|---|---|---|---|---|---|---|
| 2018-19 | | | | | | |
| 2019-20 | | | | | | |
| 2020-21 | | | | | | |
| 2021-22 | | | | | | |

1.5 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

| Description of Work | Place & State | Contract No. & Date | Name And Address of Employer | Value of Contract (Rs. lakhs) | Stipulated period of completion | Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers –in-Charge | Anticipated date of completion |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | | |

(B) Works for which Tenders already submitted:

| Description of Work | Place & State | Name and Address of Employer | Estimated value of works (Rs. lakhs) | Stipulated period of completion | Date when decision is expected | Remarks if any |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | |

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

| Item of Equipment | Requirement[1] | | Owned | Owned and available | | |
|---|---|---|---|---|---|---|
| | No. | Capacity | | Number/ Capacity | Age/ condition | Remarks |
| | | | | | | |

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

### BANKER'S CERTIFICATE

This is to certify that M/s. ..... is a reputed company with a good financial standing. If the contract for this work, namely ..... *(name of the work)* is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. ..... to meet the working capital requirements for executing the above contract

Name of the Bank, Senior Bank Manger with Signature

Address:.....

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price

| Item of Work | Value of Sub-Contract | Identified Sub-Contractor | Experience of similar work (Attach |
|---|---|---|---|
| | | | |

[1] The item of equipment, required number and capacity should match with those specified in Clause 3.3 (a)

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| | | (Name and address) | certificates from the respective Employers.) |
|---|---|---|---|
| 1 | 2 | 3 | 4 |

1.12 Information on litigations in which the Tenderer is involved:

| Other Party (ies) | Employer | Details of dispute | Amount involved | Remarks showing present status |
|---|---|---|---|---|
| | | | | |

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

## SECTION 4: FORMS OF TENDER, LETTER OF ACCEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

### Form of Tender

Description of the Works: .....

.....

(To be filled in by the Employer before issue of the Tender document)

**Tender**

To .....

Address .....

.....

(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ..... *[in figures]* (.....) *[in letters]*.*

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs. .....

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

.....

* To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of Form of Tender

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Name & Title of Signatory: .....

Name of Tenderer .....

Address: .....

.....

### Letter of Acceptance

(letterhead paper of the Employer) .....[date]

To:

.....

.....[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated ..... for execution of the .....

..... *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees .....

..... (.....) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs..... within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ...,..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

---

### Issue of Notice to proceed with the work

To (letterhead of the Employer) .....(date)

.....

.....

..... (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the reqaisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of ..... (name of the work) a Tender Price of Rs..... , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory authorized to sign on behalf of Employer)

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## Agreement Form

### Agreement

This agreement, made the .....day of .....20.....
between.....
.....[name and address of Employer]
(hereinafter called "the Employer") of the one part and
.....
.....[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute
.....
[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor's Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;
   viii) Bill of Quantities; and
   ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of .....

Signed, Sealed and Delivered by the said .....

in the presence of:

Binding Signature of Employer .....

Binding Signature of Contractor .....

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# SECTION 5: CONDITIONS OF CONTRACT

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## Conditions of Contract

### A. General

**1. Definitions**

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

**Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Tender.
**Compensation events** are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body who's Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
**Days** are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
**Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
**Materials** are all supplies, including consumables, used by the contractor for incorporation in the Works.
**Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
**Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

**2. Interpretation**

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

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(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

**3. Law governing contract**

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

**4. Employer's decisions**

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

**5. Delegation**

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

**6. Communications**

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

**7. Subcontracting (Deleted)**

7.1 Deleted.

**8. Other Contractors**

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

**9. Personnel**

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

**10. Employer's and Contractor's risks**

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

**11. Employer's risks**

11.1 The Employer is responsible for the excepted risks which are:
(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or
(b) a cause due solely to the design of the Works, other than the Contractor's design; or
(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:
(i) could not have reasonably foreseen; or
(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

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(A) prevent loss or damage to physical property from occurring by taking appropriate measures or
(B) insure against such loss or damage

**12. Contractor's risks**

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

**13. Insurance:**

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :
(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;
(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and
(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

**14. Site Investigation Reports:**

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

**15. Queries about the Contract Data**

15.1 The Employer will clarify queries on the Contract Data.

**16. Contractor to construct the Works**

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

**17. The Works to be completed by the Intended Completion Date**

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

**18. Approval by the Employer:**

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.



18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

**19. Safety**

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

**20. Discoveries**

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

**21. Possession of the Site**

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

**22. Access to the Site**

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

**23. Instructions**

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

**24. Procedure for resolution of Disputes:**

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

## B. Time Control

**25. Program**

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

**26. Extension of the Intended Completion Date**

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

**27. Delays ordered by the Employer**

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

**28. Management meetings**

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

## C. Quality Control

**29. Identifying defects**

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect.

**30. Tests**

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

**31. Correction of defects**

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

**32. Uncorrected defects**

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

## COST CONTROL

**33. Bill of Quantities (BOQ)**

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item.

**34. Variations**

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him
(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.



34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BBMP has to be obtained for the variation exceeding 5%.

**35. Payments for Variations**

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

**36. Submission of bills for payment**

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

**37. Payments**

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed programme payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

**38. Compensation events**

38.1 The following are Compensation events unless they are caused by the Contractor.
(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.

(e) The effect on the Contractor of any of the Employer's Risks.

(f) The Employer unreasonably delays issuing a Certificate of Completion.

(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

**39. Tax**

39.1 The rates quoted by the Contractor shall be deemed to be exclusive of GST and inclusive of other taxes that the Contractor will have to be paid for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

**40. Price Adjustment:**

**GO-1 (As per the G.O. No.FD 3 PCL 2008, Bangalore, Dated: 21.11.2008)**

If the period of execution is more than 6 months but less than or equal to 12 months for work costing more than Rs.50 lakhs, star rates in respect of specified materials (cement, steel and bitumen) only shall be payable to the contractor based on the all India average wholesale price index for the said materials. The star rates adjustment shall be as per the increase or decrease in the index as applied to the said materials between the last date for receiving bids and the date of execution as per the approved programme of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement.

**Government order-02.GO.N.791 Exp-12/2015.dated.26.02.2016 Bangalore** – Provision for price adjustment for specified materials for works – is under clarification as per Government order action taken.

40.1 Contract price shall be adjusted for increase or decrease in rates and prices of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formulae given in the Contract Data.[1]

(a) The price Adjustment shall apply for the work done from the date of commencement up to the end of original period of completion or extensions granted by the Employer and shall not apply to work carried out beyond the stipulated period of completion for reasons attributable to the Contractor;

(b) Price Adjustment shall be admissible from the date of opening of tenders (original or extended)

(c) The price adjustment shall be determined during each quarter from the formulae given in Contract Data.

(d) Following expressions and meanings are assigned to the work done during the quarter:

R = Total value of work done during the quarter. It will exclude value for works executed under variations for which price adjustment (if any) will be worked out separately based on the terms mutually agreed.

40.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

**41. Liquidated damages**

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

[1] Refer GOK Order No.FD 59 Pro.Cell 2004, Bangalore Dated 26th November 2004

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42. **Advance Payments:** Refer Section 6: Contract Data

43. **Securities:**

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

44. **Cost of Repairs:**

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

## E. Finishing the Contract

**45. Completion**

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

**46. Taking over**

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

**47. Final account**

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

**48. As built drawings and /or Operating and Maintenance Manuals**

48.1 If "as built" (*Completion drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

**49. Termination**

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;

(b) Deleted.

(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) The Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a

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misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

**50. Payment upon Termination**

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

**51. Property**

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

**52. Release from performance**

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

## E. Special Conditions of Contract

**1. Labour:**

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

**2. Compliance with labour regulations**

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account



of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time

**3. Protection of Environment:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

**4. Arbitration (Clause 24)**

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)

(b) Arbitration proceedings shall be held at....., Karnataka state ( to be filled in by the Employer before issue of the Tender Documents),

(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor should produce invoice for procurement of Bitumen, Steel, HDPE ducts, Geo-textile material along with bills. No payments will be made without such invoices.

7. Mix Designs for Concrete and Asphalt work should be got approved by Chief Engineer before commencement of Work.

8. 63/51 mm Double Walled Corrugated HDPE Duct should have the inner layer as silicore marking the duct manufacturer and also size of the duct. The Duct should conform to ISO Certification and the colour of duct should be orange or blue for better identity.

9. The Contractor shall provide One four wheeler along with driver, fuel expenses to Project Engineers in-charge of work to facilitate and co-ordinate the supervision of the work.

10. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

11. The hot mix plant unit should be within the radius of 40km from Vidhanasoudha, Bangalore

12. The availability of hot mix plant and ownership will be ascertained by physical inspection at the time of technical evaluation by the evaluation authority

13. GST Shall be Paid to the Tendered Amount Separately

14. Tenderer should have Registered with EPF and ESI authorities. Certification should be produced at the time of Tendering OR else being entering into the Agreement.

Annexure:

**LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS**[11]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works
8.

## SECTION 6: CONTRACT DATA

**Items marked "N/A" do not apply in this Contract.**

| The following documents are also part of the Contract: **Reference** | **Clause** |
|---|---|
| • The Schedule of Operating and Maintenance Manuals | [48] |
| • The Methodology and Program of Construction | [25] |
| • Site Investigation Reports | [14] |
| • The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. | [25] |

The Employer is: [1.1]

Name: The Commissioner
Address: BBMP, N.R. Square Bangalore-02
Name of authorized Representative:
Executive Engineer
Yelahanka Division
CMC road Yelahanka old town
BBMP, Bangalore – 560064.

The name and identification number of the Contract is

[1.1]

Construction of Synthetic tennis court, street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara Nagar, Allalasandra village and surrounding areas in ward No 04 of Yelahanka Division under Amruth Nagarothan Grants.(PACKAGE No-06)

**The Works consist of Development of Roads, Drains and Construction of Building.**

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole of the Works is 06 **months**[12] with the following milestones [17, 26]

[11] Add any other Organization considered suitable.



Milestone dates:
Physical works to be completed Period from the date of issue of Notice to proceed with the work

**Milestone 1 i.e Financial Progress for Rs.583.00 Lakhs within 02 Months from the date of work order (33%)**
**Milestone 2 i.e Financial Progress for Rs.1166.66 Lakhs within 04 Months from the date of work order (66%)**

**Milestone 3 i.e Financial Progress for Rs.1750.00 Lakhs within 06 Months from the date of work order (100%)**

The Site Possession Date is:[13] **Date of work order** [21]

The Site is located at **Yelahanka Division Limits** [1.1]
and is defined in drawings

The Defects Liability Period is **3 Years** for roads asphalted with both BM/DBM and BC [14]. [31]
The Defects Liability Period is **1 Year** for roads asphalted with only BC [15].
The Defects Liability Period is **1 Year** for civil works

Insurance requirements are as under: [13]

| | Type of Cover | Minimum cover for Insurance[16] |
|---|---|---|
| (i) | Works of Plant and materials | The sum stated in the Agreement plus 20% |
| (ii) | Loss or damage to equipment | Full replacement cost |
| (iii) | Loss or damage to property of Third Party | Full replacement cost |
| (iv) | Personal injury or death insurance (a) for Third Party[17] | |
| | (b) for Contractor's employees or labour | In accordance with the statutory requirements applicable to Karnataka |

Price Adjustment Formula;[18]

R= Value of work as defined in Clause 40.1 of Conditions of Contract. [40]

Adjustment for labour component:

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

[12] At the time of preparation of the tender document give the period required for completion of whole work and the milestones. When the Agreement is drawn after award of contract the dates can be put in.
[13] At the time of preparation of the tender document give the period after the issue of work order, when the site would be made available to the contractor, for example 'one week after the issue of work order'
[14] The period should depend up on the period required for testing of the work. In case of building it could be 12 months (passing of one rainy season); for pipe laying work, tanks, water retaining structures, the time required for testing; for canals, lining works, the passing of one monsoon or running of canal whichever is lower; roads and highways passing of one monsoon (12 months)
[15] The period should depend up on the period required for testing of the work. In case of building it could be 12 months (passing of one rainy season); for pipe laying work, tanks, water retaining structures, the time required for testing; for canals, lining works, the passing of one monsoon or running of canal whichever is lower; roads and highways passing of one monsoon (12 months)
[16] Employer to specify as per requirement. Exclusions if any should also be specified.
[17] Specify an appropriate figure. For normal works it could be Rs.20 lakhs to cover 4 persons @ Rs.5 lakhs each.
[18] The Formula has some normal components. It should be changed if need be to suit the nature of the work.

$V_L = 0.85 \times P_L / 100 \times R \times (L_t - L_o) / L_o$. Where,

$V_L$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour;

$L_o$ = The average consumer price index[19] for industrial workers for Bangalore Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;

$L_t$ = The average consumer price index for industrial workers for Bangalore Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India

$P_L$ = Percentage of labour component of the work

Adjustment for Cement Component:

(ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

$$V_C = 0.85 \times P_C / 100 \times R \times (C_t - C_o) / C_o \text{ , Where,}$$

$V_C$ = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

$C_o$ = The all India average wholesale price index[20] for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India , New Delhi;

$C_t$ = The all India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_C$ = Percentage of cement component of the work

**Note: For the application of this clause index of Ordinary Portland Cement[21] has been chosen to represent Cement Group**

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$V_S = 0.85 \times P_S / 100 \times R \times (S_t - S_o) / S_o$ where,

$V_S$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

$S_o$ = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$S_t$ = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

$P_S$ = Percentage of steel component of the work

**Note: For the application of this clause, index of M.S. Bars and Rods[22] has been chosen to represent steel group.**

Adjustment of Bitumen Component:

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

[19] The index numbers are available in the web site http://labourbureau.nic.in/indtab.html
[20] The index number are available in the web site http://eaindustry.nic.in
[21] This may be changed to any other type of cement depending on the nature of work.
[22] This may be changed depending on the major type of steel used depending on the nature of work.

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$V_B = 0.85 \times P_B / 100 \times R \times (B_t - B_o) / B_o$ . Where

$V_B$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

$B_o$ = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at .....[23] on the day 30 days prior to the date of opening of Bids.

$B_t$ = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at ..... for the 15th day of the middle calendar month of the quarter under consideration.

$P_B$ = Percentage of bitumen component of the work.

Adjustment of Fuel and Lubricant component:

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

$$V_F = 0.85 \times P_F / 100 \times R \times (F_t - F_o) / F_o \text{, Where,}$$

$V_F$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

$F_o$ = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at Bangalore on the day 30 days prior to the date of opening of Bids.

$F_t$ = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at Bangalore for the 15th day of the middle calendar month of the quarter under consideration.

$P_F$ = Percentage of Fuel and Lubricant component of the work.

**Note: For the application of this Clause the price of HSD[24] has been chosen to represent Fuel and Lubricant Group**

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$V_P = 0.85 \times P_P / 100 \times R \times (P_t - P_o) / P_o$ . Where

$V_P$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

$P_o$ = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_t$ = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_B$ = Percentage of Plant and Machinery Spares component of the work.

**Note: For the application of this Clause index of Heavy Machinery and Parts[25] has been chosen to represent the Plant and Machinery Spares Group.**

Adjustment for Other materials:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[26], procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \times P_M / 100 \times R \times (M_t - M_o) / M_o \text{ , Where}$$

[23] Insert the nearest location of POL Depot
[24] This could be appropriately changed to any other item depending on the nature of work.
[25] This could be appropriately changed to any other items depending on the nature of the work.
[26] Add, delete or change depending on the nature of work.

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$V_M$ = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

$M_o$ = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$M_i$ = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

$P_M$ = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages[27] will govern the price adjustment for the entire contract:[28]

| | | |
|---|---|---|
| 1. | Labour – $P_L$ | ..... % |
| 2. | Cement – $P_C$ | .....% |
| 3. | Steel – $P_S$ | .....% |
| 4. | Bitumen – $P_B$ | .....% |
| 5. | Fuel and Lubricants – $P_F$[29] | .....% |
| 6 | Plant and Machinery Spares – $P_P$[30] | .....% |
| 7 | Other materials – $P_M$ | .....% |
| | TOTAL | 100 %[31] |

[40]

The liquidated damages for the whole of the works are Rs. 1,75,000.00/- (amount) per day[32] and that for the milestones are as under (0.1% of total amount)

| | | |
|---|---|---|
| For Milestone 1: | Rs.58,333.33/- per day | [41] |
| For Milestone 2: | Rs.1,16,666.66/- per day | |
| For Milestone 3: | Rs.1,75,000.00/- per day | |

The maximum amount of liquidated damages for the whole of the works is Ten percent of final contract price. [41]

**The amounts of the advance payment are:** **[42]**

| Nature of Advance | Amount (Rs.) | Conditions to be fulfilled |
|---|---|---|
| 1. Mobilization | 5% of the Contract price | On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period) |

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or Three [33] months from the date of payment of first installment of

[27] The percentages have to be approximately worked out on the estimates of cost and incorporated in the tender document before issue. It shall not be changed even if there is change of scope of work during execution.
[28] The components could be added or deleted or changed depending on the nature of the work.
[29] This could vary from 5% for normal works and 10% for highly mechanized operations in the work.
[30] This could vary from 15% for normal works to 30% for highly mechanized operations in the work.
[31] The total of the percentages for the various components of the works should be 100.
[32] The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.
[33] To be filled up by the Employer before issue of the tender document, say Three or four months.

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advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[34]The date by which "as-built"[35] **drawings (in scale 1:1000**[36]) in 2 sets are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[37]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be.

The amount to be withheld for failing to supply "as built" drawings or supply of Operation and Maintenance Manuals by the date required is **Rs 1,00,000/-**

*(The amount should be sufficient to get the completion drawings or Operating and* Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's Additional cost for completing the Works shall be 30 percent (30%) . [50.1]

*(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)*

## SECTION 7: SPECIFICATIONS

As per specifications mentioned in BOQ

[34] Score out is not applicable.
[35] Completion drawings
[36] Specify an appropriate scale
[37] Score out which ever is not applicable.

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BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work:Construction of Synthetic tennis court,street vending zone & other developmental works at judicial layout main and cross roads,Chikkabommasandra, Someshwara nagar,Allalasandra village & surrounding areas in ward No-04 of yelahanka Division under Amruth Nagarothan Grants(Package No-06)**

**SCHEDULE-B**

| Item No | Description of Work | Unit | Total Quantity as per Estimation | Rate as per estimate in ₹ | |
|---|---|---|---|---|---|
| | | | | In Figures | In Wo |
| 1 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 and directions of the Engineer in charge. | Cum | 28.24 | | |
| 2 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar. and directions of the Engineer in charge. | Cum | 40.50 | | |
| 3 | Removing and refixing stone slabs of drains and pointing in CM (1:3) and directions of the Engineer in charge. | Sqm | 1168.94 | | |
| 4 | Removing and refixing of footpath slab (Data Rate) and directions of the Engineer in charge. | Sqm | 2467.12 | | |
| 5 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and directions of the Engineer in charge. | Cum | 9215.62 | | |
| 6 | Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete and directions of the Engineer in charge. and directions of the Engineer in charge. | Sqm | 191.97 | | |

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| | | | | | |
|---|---|---|---|---|---|
| 7 | Providing one line dressing to granite stone slab / granite stone masonry as per specifications as directed by the Engineer in Charge of the work. (excluding GST and Area Leading Charges)(Data Rate) and directions of the Engineer in charge. | Sqm | 721.01 | | |
| 8 | Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge. | Cum | 1511.42 | | |
| 9 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)and directions of the Engineer in charge. | Cum | 2146.25 | | |
| 10 | Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and directions of the Engineer in charge. | tonne | 132.87 | | |
| 11 | Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | Sqm | 5961.71 | | |
| 12 | Providing and Fixing pre cast covering Slab 150mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | Sqm | 289.80 | | |
| 13 | Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge. | Sqm | 346.56 | | |

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| 14 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 390.18 | | |
| 15 | Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate) and directions of the the Engineer in charge. | Nos | 19802.00 | | |
| 16 | Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. and directions of the Engineer in charge. | Sqm | 3118.15 | | |
| 17 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) and directions of the Engineer in charge. | Cum | 213.14 | | |
| 18 | Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks ofapproved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. and directions of the Engineer in charge. | Sqm | 3772.72 | | |

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| 19 | Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed ( average thickness ) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications. and directions of the Engineer in charge. | Sqm | 1194.40 | | |
| 20 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification and directions of the Engineer in charge. | Cum | 535.58 | | |
| 21 | Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and directions of the Engineer in charge. | Cum | 3109.42 | | |
| 22 | Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead and directions of the Engineer in charge. | Sqm | 1353.30 | | |
| 23 | Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 ( For Grading -V Material) and directions of the Engineer in charge. | Cum | 206.52 | | |
| 24 | Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density Specification and directions of the Engineer in charge. | Cum | 2788.72 | | |
| 25 | Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means Specification and directions of the Engineer in charge | Sqm | 20542.98 | | |

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| 26 | Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge. | Cum | 1027.15 | | |
| 27 | Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Specification and directions of the Engineer in charge. | Sqm | 30511.44 | | |
| 28 | Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge. | Cum | 1220.46 | | |
| 29 | Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Specification and directions of the Engineer in charge. | Sqm | 991.18 | | |
| 30 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite /trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 585.88 | | |

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| 31 | Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work. | Cum | 524.48 | | |
| 32 | Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge. | m | 728.00 | | |
| 33 | Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). and directions of the Engineer in charge. | m | 728.00 | | |
| 34 | Providing and applying Epoxy paint of approved quality over newly laid cement concrete surface for cycle track with 2coats of primer @0.35kg/Sqm) one mid coat sprayed at 2.1kg per sqm mixed with m Sand at 3.15kg per Sqm and one top coat sprayed at 0.35kg per Sqm along with marking and painting of cycle symbol at every 50m, arrows at front and back of the cycle symbol and edge lane marking with cleaning making all necessary arrangements before painting of each layer along with all labours, lead lift, transportation of materials, HOM of Machinaries as per approved drawing, specifications and as per the instructions of Engineer In Charge Complete. (Data Rate) | Sqm | 3000.00 | | |
| 35 | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.in Cement motorand directions of the Engineer in charge. | Sqm | 15.60 | | |

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| 36 | Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm and directions of the Engineer in charge. | Sqm | 28.44 | | |
| 37 | Demolishing R.C.C work manually by mechanical means including stacking of steel bars and dispoasal of unserviceable material to the appropriate disposal area and directions of the Engineer in charge. | Sqm | 5.75 | | |
| 38 | Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work. In ordinary soft rock without blasting upto 1.5 m depth and directions of the Engineer in charge. | Cum | 123.45 | | |
| 39 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m and directions of the Engineer in charge. | Cum | 561.59 | | |
| 40 | Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and directions of the Engineer in charge. | Cum | 109.21 | | |
| 41 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. and directions of the Engineer in charge. | Cum | 239.60 | | |
| 42 | Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 and directions of the Engineer in charge. | Cum | 354.36 | | |



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| 43 | Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge. | Cum | 3.91 | | |
| 44 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and directions of the Engineer in charge. | Cum | 94.28 | | |
| 45 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and directions of the Engineer in charge. | Cum | 44.88 | | |
| 46 | Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA) and directions of the Engineer in charge. | Cum | 2.47 | | |

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| 47 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 6.48 | | |
| 48 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 57.10 | | |
| 49 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 0.18 | | |



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| 50 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 6.21 | | |
| 61 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 25.85 | | |
| 52 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 2.05 | | |

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| 53 | Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge. | Cum | 0.86 | | |
| 54 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | kg | 29899.49 | | |
| 55 | Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge. | kg | 4888.43 | | |
| 56 | Providing Tile brick masonry with common burnt clay Non Modular tile bricks of class designation 5.0 conforming to IS 2690 (Part I) in superstructure above plinth level up to floor I level in cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete and as per the direction of engineer incharge of work.. | Sqm | 114.00 | | |
| 57 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work.. | Sqm | 0.34 | | |
| 58 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work.. | sqm | 128.89 | | |

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| 59 | Applying stamping finish on M30 grade concrete on PCC sub grade, applying and finishing with stamp/ stencil of approved pattern and color in accordance with Engineers instructions & approved drawings with use of any approved brand of color hardener of 4.5 kg/m2, including floating of color hardener over the concrete surface with different types of floaters, application of release agent of 0.12 to 0.13kg/m2.depending on matching combination of selected color, stamping over the concrete surface with stamping tools , cleaning of surface with water and groove cutting of finished concrete and application of acrylic based sealer for final finish. Coverage of sealer should be 0.30litre/m2 per coat. The cost is inclusive of manpower, cutting machine, sprayer and all tools tackles for all activities and complete smooth and finish as per technical specifications.(The cost of Concrete shall be paid separately) and as per the direction of engineer incharge of work.. | Sqm | 29.35 | | |
| 60 | Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. and as per the direction of engineer incharge of work.. | Sqm | 165.67 | | |
| 61 | Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work.. | Sqm | 29.35 | | |
| 62 | Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work.. | Sqm | 94.52 | | |

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| 63 | Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work.. | Sqm | 515.47 | | |
| 64 | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 874.16 | | |
| 65 | Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 153.64 | | |
| 66 | Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 657.75 | | |
| 67 | Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 326.76 | | |
| 68 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 1476.02 | | |
| 69 | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge. | Sqm | 1026.02 | | |
| 70 | Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing | Sqm | 889.94 | | |



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| | the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | | | | |
| 71 | Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. | Sqm | 153.64 | | |
| 72 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete and as per the direction of engineer incharge of work.. | Sqm | 37.10 | | |
| 73 | Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per specification..-do- 30 mm thick both side commercial and as per the direction of engineer incharge of work.. | Sqm | 1.89 | | |
| 74 | Providing Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.. and as per the direction of engineer incharge of work.. | Cum | 0.04 | | |
| 75 | Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work.. | Sqm | 4.20 | | |
| 76 | Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections | Sqm | 13.04 | | |

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| | and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work.. | | | | |
| 77 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work.. | Kg | 844.20 | | |
| 78 | Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work.. | Kg | 483.84 | | |
| 79 | Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 126.48 | | |
| 80 | Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/ full round wherever required, labour, curing complete as per specification. and as per the direction of engineer incharge of work.. | Sqm | 29.35 | | |
| 81 | Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps ), but including cost of materials, labour, usage charges complete as per specifications. and as per the direction of engineer incharge of work.. | Cum | 0.11 | | |



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| 82 | Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. and as per the direction of engineer incharge of work.. | Sqm | 1.89 | | |
| 83 | Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.) and as per the direction of engineer incharge of work.. | Sqm | 1.89 | | |
| 84 | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per the direction of engineer incharge of work.. | Sqm | 225.00 | | |

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| 85 | Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work.. | Sqm | 36.00 | | |
| 86 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work.. | Sqm | 113.79 | | |
| 87 | Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work.. | Sqm | 153.64 | | |
| 88 | Design and Detailed Enginnering supply and Erection of Structural Steel Support complete with 2 coat of epoxy primer coating and with necessary fixing transportation site supervision and commissioning of tensioned membrane structure including preparation of membrane shop drawings of PVC tensioned membraneRoof Structure consisting of Flying mast out of IS make CHS Floder clips.Aluminium clamp boards hardware like bolts screws washers,keder profile extrusion to recive bolts galvonized cablex as perindian standard.The tensile membrane made from germany make mehler valmex FR900-type II,with 100% white colour.PVDF-lacquer on both sides protected against microbat and fungal attack UV-protected with weight og 90g/sqm with 25 years warranty all inclusive and complete as per Engineers instructions includig all lead and lift and as per the directions of the Engineer incharge.1.Tenders shall not be under a Declaration of ineligibility for corrupt and fraudulent practices issued by the Government of ineligibility for corrupt and fradulent practices issued by the government of Karnataka (GOK) /Bruhat Banglore Mahanagara palike (BBMP)2. tenders from Joint ventures are not acceptable and as per the direction of engineer incharge of work.. | Sqm | 980.43 | | |
| 89 | Construction of Embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded with desired compaction. and as per the direction of engineer incharge of work.. | Cum | 34446.38 | | |



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| 90 | Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water, all materials,usage& all other appurtenaces required to complete the work. and as per the direction of engineer incharge of work.. | Cum | 4395.33 | | |
| 91 | Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) and as per the direction of engineer incharge of work.. | lt | 2000.00 | | |
| 92 | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. | kg | 165.60 | | |
| 93 | Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. | Sqm | 165.60 | | |
| 94 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work.. | Sqm | 215.60 | | |

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| 95 | Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work.. | Sqm | 102.97 | | |
| 96 | Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Electric resistance or induction butt welded tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.. | kg | 11103.67 | | |
| 97 | Providing and fixing PUF Pannel with precoated galvanised iron profile sheets on the top surface and a ribbed liner tray on the underside and a sandwiched insulation cover. The Profile is as follows- Inner skin: Ribbed liner, aluminium foil/craft paper Outer skin: 35x250mm trapezoidal profile with 2 secondary ribs and anti-capillary flute. The panel thickness of 50 mm. Surface finish: Metallic, solid colours, Polyvinylidene fluoride (PVDF) & super polyster coatings. The Specifications of precoated galvanised iron profile sheets is as follows (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet hould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The Rate Includes Transportation, Fixing mclusive of All Hardware and Labour Charges and as per the direction of engineer incharge of work.. | Sqm | 343.98 | | |
| 98 | Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :Gutter (600 mm over all girth) and as per the direction of engineer incharge of work.. | Rm | 81.90 | | |
| 99 | Providing & fixing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets | Rm | 81.90 | | |

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| | gutters with purlins. and as per the direction of engineer incharge of work.. | | | | |
| 100 | Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.do-110mm dia and as per the direction of engineer incharge of work.. | Rm | 12.00 | | |
| 101 | Executive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and lift Charges) (inclusive of all taxes ) As per the directon of Engineer Incharge. ( Data approved rate) | Nos | 42.00 | | |
| 102 | Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) and as per the direction of engineer incharge of work.. | Cum | 13374.81 | | |
| 103 | Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km and as per the direction of engineer incharge of work.. | t.Km | 17119.76 | | |
| 104 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work. | mtr | 585.00 | | |
| 105 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick and as per the direction of engineer incharge of work.. | mtr | 1125.00 | | |
| 106 | Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2mm thick thick(including audio system)complete and as per the directions of the Engineer-in- | mtr | 170.00 | | |

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| | charge of the work | | | | |
| 107 | Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall. and as per the direction of engineer incharge of work.. | Mtr | 200.00 | | |
| 108 | Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm …. etc. as required. 25mm. and as per the direction of engineer incharge of work.. | mtr | 155.00 | | |
| 109 | Supplying PVC/GI flexible conduit pipe…mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm complete and as per the directions of the Engineer-in-charge of the work. | mtr | 390.00 | | |
| 110 | Supplying And Fixing Metal Fan Box with Round Hook. and as per the direction of engineer incharge of work.. | Each | 41.00 | | |
| 111 | Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Short point upto 3Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work.. | Each | 137.00 | | |
| 112 | Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box. and as per the direction of engineer incharge of work.. | Each | 17.00 | | |
| 113 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm.. and as per the direction of engineer incharge of work.. | mtr | 1725.00 | | |
| 114 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.2.5 sqmm. and as per the direction of engineer incharge of work.. | mtr | 2480.00 | | |
| 115 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 4 sqmm.. and as per the direction of engineer incharge of work.. | mtr | 290.00 | | |
| 116 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way. and as per the direction of | Each | 71.00 | | |



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| | engineer incharge of work.. | | | | |
| 117 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way. and as per the direction of engineer incharge of work.. | Each | 50.00 | | |
| 118 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way. and as per the direction of engineer incharge of work.. | Each | 8.00 | | |
| 119 | Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way and as per the direction of engineer incharge of work.. | Each | 48.00 | | |
| 120 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module.. and as per the direction of engineer incharge of work.. | Each | 65.00 | | |
| 121 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module.. and as per the direction of engineer incharge of work.. | Each | 20.00 | | |
| 122 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 8 Module. and as per the direction of engineer incharge of work.. | Each | 34.00 | | |
| 123 | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box12 Module. and as per the direction of engineer incharge of work.. | Each | 26.00 | | |
| 124 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.. and as per the direction of engineer incharge of work.. | Each | 19.00 | | |
| 125 | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps Two way. and as per the direction of engineer incharge of work.. | Each | 5.00 | | |
| 126 | Stepped Fan Regulator.. and as per the direction of engineer incharge of work.. | Each | 3.00 | | |
| 127 | 16Amps one way switch. and as per the direction of engineer incharge of work.. | Each | 7.00 | | |

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| 128 | TV/Telephone socket. and as per the direction of engineer incharge of work.. | Each | 1.00 | | |
| 129 | Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.. and as per the direction of engineer incharge of work.. | mtr | 111.00 | | |
| 130 | Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp. and as per the direction of engineer incharge of work.. | Each | 5.00 | | |
| 131 | Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply. and as per the direction of engineer incharge of work.. | Each | 24.00 | | |
| 132 | LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts complete and as per the directions of the Engineer-in-charge of the work. | Each | 91.00 | | |
| 133 | Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition.. and as per the direction of engineer incharge of work.. | Each | 24.00 | | |
| 134 | Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI>75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.. and as per the direction of engineer incharge of work.. | Each | 15.00 | | |
| 135 | 60W highbay LED linear type light fixture make-crompton ,model -LHBL60CDL and as per the direction of engineer incharge of work.. | Each | 104.00 | | |

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| 136 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP. and as per the direction of engineer incharge of work.. | Each | 6.00 | | |
| 137 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP. and as per the direction of engineer incharge of work.. | Each | 7.00 | | |
| 138 | 40-63Amps DP and as per the direction of engineer incharge of work.. | Each | 6.00 | | |
| 139 | 40-63Amps TPN. and as per the direction of engineer incharge of work.. | Each | 2.00 | | |
| 140 | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 12Way SP &N. and as per the direction of engineer incharge of work.. | Each | 29.00 | | |
| 141 | Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.III - Double Door 4Way TP &N. and as per the direction of engineer incharge of work.. | Each | 1.00 | | |
| 142 | Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 32-40 Amps 2 pole. and as per the direction of engineer incharge of work.. | Each | 4.00 | | |
| 143 | Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm and as per the direction of engineer incharge of work.. | Each | 4.00 | | |
| 144 | Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts. and as per the direction of engineer incharge of work.. | mtr | 10.00 | | |

CONTRACTOR



EXECUTIVE ENGINEER
YELAHANKA DIV

| | | | | | |
|---|---|---|---|---|---|
| 145 | Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 14SWG and as per the direction of engineer incharge of work.. | Sq.cms | 150000.00 | | |
| 146 | 600x600x3mm GI Plate and as per the direction of engineer incharge of work.. | Each | 2.00 | | |
| 147 | Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6 A Two Way Switch. and as per the direction of engineer incharge of work.. | Each | 310.00 | | |
| 148 | Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system: 48" sweep (1200mm) and as per the direction of engineer incharge of work.. | Each | 9.00 | | |
| 149 | Supplying and fixing of slim patty fitting, made out of CRCA Sheet metal body with locking type holder completely wired.Excluding Ballast & Fluorescent Tube and as per the direction of engineer incharge of work.. | Each | 2.00 | | |
| 150 | Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply and as per the direction of engineer incharge of work.. | Each | 25.00 | | |

## SECTION 8: DRAWINGS
**(Enclosed)**

## SECTION 9: BILL OF QUANTITIES

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 11.2 and CC Clause 37.2).
(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.
(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern.
(4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITT Clause 24.1 (b)]
(5) GST will be paid separately to the Tendered Amount

## SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT



To .....[name of Employer]
.....[address of Employer]

WHEREAS .....[name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ..... dated : ..... to execute .....[name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[amount of guarantee]* [38] Rupees.....*[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[39] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

[38] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract
[39] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

Agreement No.
E&I. Amt
AS No/Dt
TS No/Dt

**M. A. R. 57 (Rule 116)** **No. E**
Measurement Book

Serial No. 4th & Final bill

Name of work ..... From ..... To .....

130038

Name of Contractor of nature of Agency. Est cost = 2000 lakhs

Date of commencement of work. Agreement No: BBMP/EE/YNK.D/EPMT-06/AG/34/2022-23

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | Date: 02/09/22 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Name of Work: - Construction Of Synthetic Tennis court, street Vending Zone & Other Developmental Works At Judicial Layout main and cross roads, Chikka--bommasandra, Someshwara Nagar, Allalasandra Village and surrounding areas in ward No:04 of yelahanka division under Amruth Nagarothan Grants (Package No-06). AS = BBMP/EE/YNK.D/AS/28/2022-23 Date: 18/08/2022 TS = BBMP/CE/TS/YNK.D/P.R/26/2022-23 Date: 21/06/2022 | | | | | | |
| | Job Code :- 004-23-000003 | | | | | | |
| | WO No :- BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23 Date: 03-09-2022 | | | | | | |
| | Agency :- B.B. Umesh M/s SMLP Asphalts No: 1265, Ground floor, HIG B Sector, Yelahanka New town, Bangalore-560064 | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | Item no: 5 - Earth work excavation by manual means for drains, canals | | | | | | |
| | Qty for payment :- | 1455.24 Cum | @ | 207.72 | = | 302282.00 | |
| | Item no 8 : Providing and laying in position plain cement concrete mix 1:3:6 (M10) | | | | | | |
| | Qty for payment :- | 201.98 Cum | @ | 6428.65 | = | 1297418.00 | |
| | Item no 9 : Providing and laying in position Reinforced cement concrete for all sub structures of building | | | | | | |
| | Qty for payment :- | 222.99 Cum | @ | 7335.82 | = | 1635836.00 | |

**M. A. R. 57 (Rule 116)**
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

130039

Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 10: Supplying, fitting and placing TMT Fe550 bar Reinforcement in sub structure | | | | | | |
| | Qty for payment :- | 12.29 | tonne | @ | 115394.45 | = | 1418147.00 |
| | Item no 11: Providing & fixing pre cast covering slab 100mm thick made out of CC, Jelly 20mm down size with steel reinforcement | | | | | | |
| | Qty for payment :- | 427.14 | Sqm | @ | 2103.58 | = | 898523.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 14: Providing and laying in position Reinforced cement Concrete for all sub structures of building Mix 1:2:4 (M15) | | | | | | |
| | Qty for payment :- | 97.94 | Cum | @ | 6807.81 | = | 666759.00 |
| | Item no 15: Providing and fixing pre cast solid cement concrete Kerb stones made out of M20. | | | | | | |
| | Qty for payment :- | 875.00 | Nos | @ | 514.73 | = | 450388.00 |
| | Item no 16: Painting two coats on New concrete surfaces painting two Coats after filling the surface | | | | | | |
| | Qty for payment :- | 137.76 | Sqm | @ | 94.93 | = | 13077.00 |

Serial No. .....
Name of work .....
Name of Contractor of nature
Date of commencement of wo

| Date | Full description, etc |
|---|---|
| 1 | 2 |
| | Item no 17: |
| | Qty for |
| | Item no |
| | Qty for pa |

M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

130040

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 17: Providing and laying in position for all sub structures (M20) | | | | | Reinforced cement concrete | |
| | Qty for payment:- 15.87 Cum @ | | | | 6986.50 = | | 110864.00 |
| | Item no 18: Providing and laying heavy duty interlock pavers | | | | | Cobble stones 60mm thick | |
| | Qty for payment:- 1068.89 Sqm @ | | | | 1213.93 = | | 1297562.00 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 21: Earth work in surface excavation by mechanical means for lowering & leveling the ground. (300 mm depth) | | | | | | |
| | Qty for payment :- | | | | | | |
| | | 359.45 cum | @ | 72.59 | = | 26092.00 | |
| | Item no 23: Construction of Granular sub-base of required grading on | | | | | | |
| | Qty for payment :- | | | | | | |
| | upto 125% | 222.24 cum | @ | 2621.05 | = | 582503.00 | |
| | above 125% | 54.79 cum | @ | 2620.94 | = | 143591.00 | |

**M. A. R. 57 (Rule 116)**
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

130041

Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 24: Providing, laying, spreading & compacting graded stone aggregate to wet mix macadam specification | | | | | | |
| | Qty for payment :- 175.08 Cum @ 2673.54 = | | | | | | 468081.00 |
| | Item no 30: Providing and laying in position plain cement concrete for levelling course for all works Mix 1:5:10 ; 40mm nominal | | | | | | |
| | Qty for payment :- 173.76 Cum @ 5557.03 = | | | | | | 965589.00 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 31 : Providing and constructing un-reinforced plain cement Concrete pavement | | | | | | |
| | Qty for payment :- | | | | | | |
| | upto 125% :- | 715.84 | Cum | @ | 7635.34 | = 884477.00 | |
| | Item no 38 : Earth work excavation for foundation by mechanical means | | | | | | |
| | Qty for payment :- | | | | | | |
| | upto 125% :- | 32.15 | Cum | @ | 303.76 | = 9764.00 | |
| | Above 125% :- | 4666.94 | Cum | @ | 303.75 | = 1417575.00 | |

Reference to last Measurement 8

in cement

7.00

nical means

0

M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130042

| Date 1 | Full description, etc, of work 2 | Number 3 | Dimensions Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item no 40: Providing and filling in foundation with granite / trap broken metal 100 mm. | | | | | | |
| | Qty for payment :- | | | | | | |
| | upto 125% : 94.14 | cum | @ | 2860.04 | = | | 269231.00 |
| | Item no 41: Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations | | | | | | |
| | Qty for payment :- | | | | | | |
| | upto 125% : 282.63 | cum | @ | 227.82 | = | | 64389.00 |
| | Above 125% : 350.24 | cum | @ | 227.81 | = | | 79789.00 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 42: Providing size stone masonry with hard stone in foundation 1:6 cement mortar | | | | | | |
| | Qty for payment :- | | | | | | |
| | | | 294.05 | cum | @ 6055.11 = | | 1780500.00 |
| | Item no 43: Providing and laying in position reinforced cement concrete | | | | | | |
| | Qty for payment :- | | | | | | |
| | upto 125% | | 1.03 | cum | @ 7386.24 = | | 7627.00 |
| | Above 125% | | 3.34 | cum | @ 7025.96 = | | 23478.00 |

**M. A. R. 57 (Rule 116)**
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130043

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 44: Providing and laying in position Reinforced cement concrete | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 107.11 | Cum | @ | 7580.39 = | 811962.00 | |
| | Above 125% :- | 7.37 | Cum | @ | 10015.30 = | 73797.00 | |
| | Item no 47: Providing and laying in posetion Reinforced cement concrete (M25) | | | | | | |
| | Qty for payment :- | 2.43 | Cum | @ | 7975.06 = | 19380.00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 48: Providing and laying in position Reinforced cement concrete (M25) | | | | | | |
| | Qty for payment :- | 26.67 | cum | @ | 8700.06 = | 232030.00 | |
| | Item no 50: Providing & laying in position reinforced cement concrete (M25) | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 7.76 | cum | @ | 8054.81 = | 62526.00 | |
| | Above 125% :- | 0.40 | cum | @ | 11812.73 = | 4779.00 | |

Serial No. .....
Name of work .....
Name of Contracto
Date of commence

| Date | Full des |
|---|---|
| 1 | |
| | Item no |
| | Qty fo |
| | Item no |
| | Qty for |
| | up |

**M. A. R. 57 (Rule 116)**
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130044

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 51: Providing & laying in position reinforced cement concrete (M25) | | | | | | |
| | Qty for payment upto 125%: - 25.93 cum @ | | | | 8787.06 = | 227860.00 | |
| | Item no 52: Providing & laying in position reinforced cement concrete (M25) | | | | | | |
| | Qty for payment upto 125%: - 2.31 cum @ | | | | 8787.06 = | 20320.00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 53: Providing & laying in position Reinforced cement concrete | | | | | | |
| | Qty for payment upto 125% :- | 1 | 1.03 cum | @ | 10617.71 | = | 10894.00 |
| | Item no 54: Providing Thermo-Mechanically Treated bars of grade Fe-550 steel reinforcement for R.C.C. Work | | | | | | |
| | Qty for payment :- | 1 | 21699.13 Kg | @ | 118.38 | = | 2568742.00 |

**M. A. R. 57 (Rule 116)**
**Measurement Book** **No. E**

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

130045

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 55: Providing Thermo-mechanically treated bars of grade Fe-550 steel reinforcement for R.C.C. work | | | | | | |
| | Qty for payment :- | 3903.68 | Kg | @ | 119.57 = | 466764.00 | |
| | Item no 56: Providing Tile brick masonry with common burnt clay Non modular tile bricks of class designation 5.0. | | | | | | |
| | Qty for payment :- upto 125% | 123.25 | cum | @ | 12589.32 = | 1551619.00 | |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | **Item no 57:** Providing and constructing load bearing wall with solid concrete blocks of size 400 x 150 x 200mm | | | | | | |
| | Qty for payment | | | | | | |
| | Upto 125% :- | 0.43 | sqm | @ | 1191.59 | = | 507.00 |
| | Above 125% :- | 74.86 | sqm | @ | 1184.84 | = | 88696.00 |
| | **Item no 58:** Providing & constructing load bearing wall with sold concrete blocks of size 400 x 150 x 200mm | | | | | | |
| | Qty for payment upto 125% :- | 157.34 | sqm | @ | 1203.51 | = | 189362.00 |

M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130046

| Date | Full description, etc, of work | Number | Dimensions | | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | Length 4 | Breadth 5 | 6 | 7 | 8 |
| | Item no 60: Providing & laying water proofing treatment to the roof | | | | | | |
| | Qty for payment | | | | | | |
| | Upto 125% :- | 107.77 | sqm | @ | 831.99 | = | 89667.00 |
| | Item no 61: Providing & laying 52 mm thick cement concrete flooring | | | | | | |
| | Qty for payment | | | | | | |
| | Upto 125% :- | 36.69 | sqm | @ | 808.54 | = | 29664.00 |
| | Above 125% :- | 12.88 | sqm | @ | 787.29 | = | 10143.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | Item no 62: Providing & laying 52mm thick cement concrete | | | | | | |
| | Qty for payment | | | | | | |
| | Upto 125% :- | | 98.89 | Sqm | @ | 1559.01 = | 154174.00 |
| | Item no 63: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm | | | | | | |
| | Qty for payment | | | | | | |
| | Upto 125% :- | | 0.00 | Sqm | @ | 1342.35 = | 0.00. |

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. E**

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130047

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 64 : Providing 20 mm cement plaster of mix 1:4 | | | | | | |
| | Qty for payment | | | | | | |
| | Upto 125% :- | 162.39 | Sqm | @ | 342.85 | = | 55674.00 |
| | Above 125% | 300.76 | Sqm | @ | 333.90 | = | 100426.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 65: Providing 20mm cement plaster of mix 1:4 to brick | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 192.05 | sqm | @ | 346.28 | = | 66504.00 |
| | Above 125% :- | 59.33 | sqm | @ | 337.24 | = | 20010.00 |
| | Item no 67: Providing 18mm cement plaster in two coats (12mm thick) | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 408.45 | sqm | @ | 371.09 | = | 151572.00 |
| | Above 125% :- | 885.82 | sqm | @ | 359.58 | = | 318528.00 |

Serial No. .....
Name of work .....
Name of Contractor of natu
Date of commencement of

| Date | Full description, |
|---|---|
| 1 | 2 |
| | Item no 68: |
| | Qty for chap |
| | up |
| | Item no 69: P |
| | Qty for paym |
| | upto |
| | Above 12 |

Serial No. .....

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. E**

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130048

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 68: Painting with synthetic enamel paint of approved brand size | | | | | | |
| | Qty for payment upto 125% :- | 1463.36 | sqm | @ | 100.51 | = | 147082.00 |
| | Item no 69: Providing and applying white cement based putty of average | | | | | | |
| | Qty for payment upto 125% :- | 1203.13 | sqm | @ | 92.69 | = | 111519.00 |
| | Above 125% :- | 130.44 | sqm | @ | 92.69 | = | 12091.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 70: Finishing walls with water proofing cement paint | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 130.02 | sqm @ | 73.71 | = | 9584.00 | |
| | Item no 71: Finishing walls with water proofing cement paint | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 192.05 | sqm @ | 73.71 | = | 14157.00 | |
| | Above 125% :- | 59.33 | sqm @ | 74.424 | = | 4417.00 | |

M. A. R. 57 (Rule 116)
Measurement Book
No. E

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

130049

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 70: Providing & laying vitrified floor tiles in different size | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 0.00 | sqm | @ | 1226.21 = | 0.00 | |
| | Above 125%:- | 8.34 | sqm | @ | 1226.21 = | 10220.00 | |
| | Item no 75: Providing & fixing of 3-track x 2-panel sliding windows | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 2.64 | sqm | @ | 8085.40 = | 21346.00 | |
| | Above 125%:- | 6.36 | sqm | @ | 8085.05 = | 51421.00 | |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 76: Providing & fixing of 3-track x 2 panel sliding windows | | | | | | |
| | Qty for payment :- | 19.08 | | | | sqm @ 8166.25 = | 155813.00 |
| | Item no 77: Providing & fixing M.S. grills of required pattern in frames of windows etc. | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 1000.44 | | | | kg @ 190.97 = | 191054.00 |
| | Above 125% :- | 782.32 | | | | kg @ 177.56 = | 138908.00 |

Serial No. .....
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Name of Contract
Date of commence

| Date | Full des |
|---|---|
| 1 | |
| | Item n |
| | Qty for p |
| | up |
| | Above |

Serial No. .....

**M. A. R. 57 (Rule 116)**
Measurement Book

**No. E**

Name of work .....

Name of Contractor of nature of Agency ..... From ..... To .....

Date of commencement of work .....

130050

| Date 1 | Full description, etc. of work 2 | Dimensions Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item no 78: Providing & fixing m.s. grills of required pattern in frames of windows. | | | | | | |
| | Qty for payment upto 125% :- | 604.80 | Kg | @ | 192.88 = | | 116654.00 |
| | Above 125% :- | 148.47 | Kg | @ | 179.33 = | | 26625.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 79: Painting steel work with Deluxe multi surface paint | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 155.49 sqm | @ | 118.38 | = | 18407.00 | |
| | Above 125% :- | 20.78 sqm | @ | 119.56 | = | 2725.00 | |
| | Item no 80: Providing, laying & fixing cement base, precast, pre polished | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 31.22 sqm | @ | 1272.00 | = | 39711.00 | |

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Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

130051

Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions: Length | Breadth | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 81: Providing teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125%:- | 0.14 | Cum | @ | 255796.75 | = 35173.00 | |
| | Above 125%:- | 0.02 | Cum | @ | 263153.95 | = 4979.00 | |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 82: Providing and fixing in position fully panelled teak wood | | | | | | |
| | Qty for payment upto 125%:- | | 2.36 | | | sqm @ 10528.14 = | 24873.00 |
| | Above 125%:- | | 7.60 | | | sqm @ 10423.46 = | 79266.00 |
| | Item no 83: Polishing in high gloss/ matt finish melamine clear polish | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125%:- | | 2.36 | | | sqm @ 662.04 = | 1565.00 |
| | Above 125%:- | | 7.60 | | | sqm @ 662.21 = | 5036.00 |

Serial No. .....
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Date of commencemer

| Date | Full descrip 2 |
|---|---|
| 1 | Item no 8 |
| | Qty for pa |
| | up |
| | Item no 85 |
| | Qty for pay |
| | upt |
| | Above |

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130052

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Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 84: Supplying & fixing rolling shutters of approved make | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 279.00 | Sqm | @ | 2506.03 = | | 699183.00 |
| | Item no 85: Providing & fixing of louvered ventilar made out of multi | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 45.00 | Sqm | @ | 5438.66 = | | 244740.00 |
| | Above 125% :- | 18.25 | Sqm | @ | 5438.43 = | | 99268.00 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 86: Applying priming coats with primer of approved brands | | | | | | |
| | Qty for payment upto 125%:- | 1 | 142.24 | | | Sqm @ 44.67 = | 6354.00 |
| | Above 125%:- | 1 | 25.74 | | | Sqm @ 44.67 = | 1150.00 |
| | Item no 87: Applying priming coats with primer of approved brands | | | | | | |
| | Qty for payment upto 125%:- | 1 | 192.05 | | | Sqm @ 44.67 = | 8579.00 |
| | Above 125%:- | 1 | 59.33 | | | Sqm @ 45.12 = | 2677.00 |

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130053

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency..... From ..... To .....
Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions: Length | Dimensions: Breadth | Dimensions: Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 90: Construction of Embankment by excavating the gravel | | | | | | |
| | Qty for payment :- | 30.84 | cum | @ | 448.94 | = | 13846.00 |
| | Item no 91: Providing & placing on terrace, polyethylene water | | | | | | |
| | Qty for payment upto 125% :- | 500.00 | lt | @ | 8.93 | = | 4465.00 |
| | Above 125% :- | 500.00 | lt | @ | 8.93 | = | 4467.00 |

# MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions: Number 3 | Length 4 | Breadth 5 | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | Item no 92: Providing & fixing stainless steel (Grade 304) railing | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 207.00 | | Kg | @ | 558.38 = | 115585.00 |
| | Above 125% :- | 18.11 | | Kg | @ | 558.36 = | 10110.00 |
| | Item no 93: Providing & fixing stainless steel (Grade 304) railing made of hollow | | | | | | |
| | Qty for payment :- | 150.36 | | Sqm | @ | 563.97 = | 84802.00 |

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130054

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Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 94: Providing & laying polished granite stone flooring | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 232.39 | Sqm | @ | 3217.41 | = | 747693.00 |
| | upto 125% :- | 126.16 | Sqm | @ | 3204.99 | = | 404343.00 |
| | Item no 95: providing & laying polished granite stone flooring | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 119.35 | Sqm | @ | 3249.58 | = | 387839.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 96: Providing & fixing steel work in built up tabular | | | | | | |
| | Qty for payment :- | 7351.55 | kg | @ | 122.84 | = 903065.00 | |
| | Item no 97: Providing & fixing PUF pannel with precoated | | | | | | |
| | Qty for payment upto 125% :- | 406.96 | sqm | @ | 3553.35 | = 1446072.00 | |
| | Item no 98: Providing & fixing precoated galvanised steel sheet | | | | | | |
| | Qty for payment upto 125% :- | 19.74 | Rm | @ | 954.84 | = 97146.00 | |

Serial No. .....
Name of work .....
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Date of commencement

| Date | Full description |
|---|---|
| 1 | 2 |
| | Item no 99: |
| | Qty for pay upto |
| | Item no 100: |
| | Qty for pay upto |
| | Above 1 |

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Date of commencement of work.....

130055

| Date | Full description, etc, of work | Number | Dimensions: Length | Breadth | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 99: Providing & fixing flat iron brackets 50x3 mm size | | | | | | |
| | Qty for payment upto 125%: - | 101.74 | Rm | @ | 62.54 = | 6363.00 | |
| | Item no 100: Providing & fixing to wall, ceiling & floor surplasticised | | | | | | |
| | Qty for payment upto 125%: - | 15.00 | Rm | @ | 522.65 = | 7840.00 | |
| | Above 125%: - | 53.55 | Rm | @ | 484.66 = | 25954.00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 101: Executive Bench - made out of Sadashalli grey granite | | | | | | |
| | Qty for payment :- | 40.00 | NOS | @ | 18477.42 = | 739097.00 | |
| | Item no 102: Loading and unloading of stone Boulder / stone | | | | | | |
| | Qty for payment upto 125% :- | 5880.91 | cum | @ | 131.78 = | 774986.00 | |
| | Item no 103: cost of Haulage excluding loading & unloading | | | | | | |
| | Qty for payment upto 125% :- | 7527.56 | t.km | @ | 107.21 = | 807029.00 | |

Serial No. .....
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Name of Contractor of
Date of commencement

| Date | Full descripti |
|---|---|
| 1 | 2 |
| | Item no 10 |
| | Qty for pa |
| | Item no 10 |
| | Qty for pay up |
| | Item no 106 |
| | Qty for paym |

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Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

130056

Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 104: Concealed conduit system supplying heavy gauge PVC | | | | | | |
| | Qty for payment :- | 200.00 | mtr | @ | 61.93 | = | 12386.00 |
| | Item no 105: concealed conduit system supplying heavy gauge PVC | | | | | | |
| | Qty for payment upto 125% :- | 400.00 | mtr | @ | 71.07 | = | 28428.00 |
| | Item no 106: concealed conduit system supplying heavy gauge PVC | | | | | | |
| | Qty for payment :- | 85.00 | mtr | @ | 94.42 | = | 8026.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 107: Extra for Groove cutting in brick wall / CC floor | | | | | | |
| | Qty for payment upto 125% :- | | 205.00 | | | mtr @ 26.40 = | 5412.00 |
| | Item no 108: Supplying & fixing of PVC Casing and capping on the wall | | | | | | |
| | Qty for payment upto 125% :- | | 145.00 | | | mtr @ 28.43 = | 4122.00 |
| | Item no 109: Supplying PVC / GI flexible conduit pipe ... mm dia | | | | | | |
| | Qty for payment upto 125% :- | | 395.00 | | | mtr @ 31.47 = | 12430.00 |

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130057

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 110: Supplying and fixing metal fan box with round hook. | | | | | | |
| | Qty for payment upto 125% :- | 39.00 | Each | @ | 165.48 = | 6454.00 | |
| | Item no 111: Point wiring using copper wire without switch. | | | | | | |
| | Qty for payment upto 125% :- | 162.25 | Each | @ | 254.83 = | 41346.00 | |
| | Above 125% :- | 18.75 | Each | @ | 254.82 = | 4778.00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 112: Medium point above 3 mtr upto 6 mtr from tapping | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 7.25 | Each | @ | 366.50 = | 2658.00 | |
| | Above 125% :- | 23.75 | Each | @ | 366.49 = | 8705.00 | |
| | Item no 113: Wiring for lighting / power circuit using one of FRLS | | | | | | |
| | Qty for payment :- | 1190.00 | Cl.5 sqmm mtr | @ | 26.40 = | 31416.00 | |

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Date of commencement of work.....

130058

| Date | Full description, etc, of work | Number | Dimensions: Length | Dimensions: Breadth | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 114: Wiring for lighting / power circuit using one of FRLS (2.5 Sq mm) | | | | | | |
| | Qty for payment upto 125% :- | 980.00 mtr | @ | | 40.61 = | | 39798.00 |
| | Item no 115: Wiring for lighting / power circuit using one of FRLS (4 Sq mm) | | | | | | |
| | Qty for payment :- | 90.00 mtr | @ | | 59.90 = | | 5391.00 |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 116: Supplying and flush mounting powder coated/galvanized (1-3 way) | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125%:- | 67.75 | | Each | @ | 124.87 = 8460.00 | |
| | Above 125%:- | 7.25 | | Each | @ | 124.87 = 906.00 | |
| | Qty. | | | | | | |
| | Item no 117: Supplying & flush mounting powder coated (6way) | | | | | | |
| | Qty for payment:- | 12.00 | | Each | @ | 215.23 = 2583.00 | |

Serial No. .....
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Name of Contract
Date of commenc

| Date | Full d |
|---|---|
| 1 | |
| | Item |
| | Qty f |
| | Item |
| | Qty |

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Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

130059

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 118: Supplying & flush mounting powder coated (8way) | | | | | | |
| | Qty for payment:- | 0.00 | Each | 253.81 @ | | = | 0.00 |
| | Item no 119: Supplying & flush mounting powder coated (10-12way) | | | | | | |
| | Qty for payment:- | 5.00 | Each @ | | 329.95 | = | 1650.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | Item no 120: Supplying & fixing superior quality modular switch | | | | | | |
| | Qty for payment upto 125% :- | 66.25 | Each | @ | 154.32 | = | 10224.00 |
| | Above 125% :- | 3.75 | Each | @ | 154.31 | = | 579.00 |
| | Item no 122: Supplying and fixing superior quality modular switch mounting polycarbonate (8 module) | | | | | | |
| | Qty for payment :- | 14.00 | Each | @ | 306.60 | = | 4293.00 |

M. A. R. 57 (Rule 116) No. E
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Serial No. .....
Name of work ..... From ..... To .....
130060
Name of Contractor of nature of Agency.....
Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 123: Supplying & fixing superior quality modular switch (12 module) | | | | | | |
| | Qty for payment :- | 14.00 | Each | @ | 368.40 | = | 5158.00 |
| | Item no 124: Supplying & fixing of modular switch/ socket / stepped | | | | | | |
| | Qty for payment | | | | | | |
| | upto 125% :- | 14.75 | Each | @ | 89.34 | = | 1317.00 |
| | Above 125% :- | 42.25 | Each | @ | 89.34 | = | 3775.00 |

## MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Item no 126: Stepped Fan regulator & as per the direction. | | | | | | |
| | Qty for payment upto 125% :- | 0.75 | Each | @ | 317.77 = | 238.00 | |
| | Above 125% :- | 7.25 | Each | @ | 317.76 = | 2304.00 | |
| | Item no 132: LED Indoor supplying of 2' Feet - LED PVC square | | | | | | |
| | Qty for payment upto 125% :- | 98.75 | Each | @ | 503.40 = | 49711.00 | |
| | Above 125% :- | 1.25 | Each | @ | 503.54 = | 630.00 | |

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130061

Name of work ..... From ..... To .....

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| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 137: Supplying & fixing miniature circuit breakers on MCB distribution boards | | | | | | |
| | Qty for payment :- | 2.00 | Each | @ | 530.90 = | 1060.00 | |
| | Item no 140: Supplying & fixing regular MCB distribution boards. | | | | | | |
| | Qty for payment: | | | | | | |
| | upto 125% :- | 33.00 | Each | @ | 2098.40 = | 69247.00 | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 142: Supplying, fixing and wiring Earth leakage | | | | | | |
| | Qty for payment :- | 2.00 | Each | @ | 2692.30 = | 5385.00 | |
| | Item no 143: Supplying & running by GI/ copper strips for grounding | | | | | | |
| | Qty for payment :- | 2.00 | Each | @ | 78.15 = | 156.00 | |
| | Item no 147: Supplying and fixing of modular switch & connected | | | | | | |
| | Qty for payment upto 125% :- | 375.00 | Each | @ | 154.20 = | 57825.00 | |

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Name of work .....
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Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Item no 148: Supplying capacitor type ceiling fan complete<br>Qty for payment:<br>.. upto 125%:- | 8.00 | Each | @ | 2116.60 | = | 16933.00 |
| | Item no 150: Supplying exhaust fan of 1440 RPM of 300 mm (12") size<br>Qty for payment:<br>upto 125%:- | 31.00 | Each | @ | 1565.14 | = | 48520.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 1: Providing & fixing white Vitreous china pedestal type water closet | | | | | | |
| | Qty for payment :- | 2.00 | Each | @ | 5589.18 / 2407.65 = | | 11179.00 / 4816.00 |
| | EIRL 2: White Vitreous china Wash basin size 630x450mm | | | | | | |
| | Qty for payment :- | 2.00 | Each | @ | 2407.65 = | | 4816.00 |
| | EIRL 3: Providing & fixing C.P. brass shower rose with 150x20mm inlet: 100mm diameter | | | | | | |
| | Qty for payment :- | 2.00 | NOS | @ | 225.58 = | | 452.00 |

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement
Date | Full descriptio
1 | 2
EIRL 4:
Qty for p
EIRL 5:
Qty for

**M. A. R. 57 (Rule 116)** **No. E**
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Name of Contractor of nature of Agency.....
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| Date | Full description, etc, of work | Number | Dimensions | | Depth | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIR24: Providing and fixing brass bid cock of approved quality | | | | | | |
| | Qty for payment :- | 5.00 | Each | @ | 385.27 = | | 1927.00 |
| | EIR25: Providing 15mm cement plaster on the rough side of single | | | | | | |
| | Qty for payment :- | 32.76 | Sqm | @ | 276.95 = | | 9072.00 |

## MEASUREMENT BOOK

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | EIRL 6: Providing and fixing in position collapsible steel shutters with Vertical channels 20X10X3mm | | | | | | |
| | Qty for payment :- | 5.22 | Sqm | @ | 7329.03 | = | 38247.00 |
| | EIRL 7: Supplying SS RCC SPUN/ Vibrated cast pipes | | | | | | |
| | Qty for payment :- | 290.60 | .m | @ | 1668.49 | = | 484864.00 |
| | EIRL 8: Supplying, laying and jointing HDPE pipes. | | | | | | |
| | Qty for payment :- | 980.40 | m | @ | 453.41 | = | 444524.00 |

Serial No. .....
Name of work .....
Name of Contractor of n
Date of commencement

| Date | Full descripti 2 |
|---|---|
| | EIRL 9: |
| | Qty for p |
| | EIRL 10 |
| | Qty for p |

M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To ..... 130064

Date of commencement of work.....

| Date | Full description, etc, of work | Number | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 9: Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes : 20mm nomial dia pipes | | | | | | |
| | Qty for payment :- | 50.00 | m | @ | 416.54 | = 20827.00 | |
| | EIRL 10: Providing and fixing CPVC pipes : 25mm nomial dia pipes | | | | | | |
| | Qty for payment :- | 239.60 | m | @ | 531.56 | = 127362.00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 11: Providing and fixing brass stop cock of approved quality: 20mm nominal bore | | | | | | |
| | Qty for payment :- | 10.00 | NOS | @ | 385.27 = | 3853.00 | |
| | EIRL 12: Supplying PVC ringtite pipes conforming to IS 4985:2000 PVC pipes 110 mm dia, 6kg/sqcms, class 3 | | | | | | |
| | Qty for payment :- | 20.00 | m | @ | 554.38 = | 11088.00 | |

| Reference to last Measurement 8 |
|---|
| pproved |
| 53.00 |
| IS 4985:2000 |
| 13 |
| 3.00 |

**M. A. R. 57 (Rule 116)** **No. E**
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

130065

| Date 1 | Full description, etc, of work 2 | Number 3 | Dimensions: Length 4 | Dimensions: Breadth 5 | Dimensions: Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | EIRL 13: Supplying PVC ringtite pipes conforming to IS 4985:2000 PVC pipes 50mm dia, 6kg/sqcm & class 5 | | | | | | |
| | Qty for payment:- | 5.00 | m | @ | 135.08 = | 676.00 | |
| | EIRL 14: Supplying PVC ringtite pipes conforming to IS 4985:2000 PVC pipes 63mm dia, 6kg/sqcm & class 3 | | | | | | |
| | Qty for payment:- | 5.00 | m | @ | 215.28 = | 1077.00 | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 15: Hacking of CC flooring including clearing for surface | | | | | | |
| | Qty for payment :- | 53.24 | Sqm | @ | 2.23 | = | 119.00 |
| | EIRL 16: Providing and fixing PTMT grating of approved quality | | | | | | |
| | Qty for payment :- | 3.00 | NOS | @ | 99.39 | = | 299.00 |

Serial No. .....
Name of work .....
Name of Contractor of
Date of commencement

| Date | Full descripti |
|---|---|
| 1 | 2 |
| | EIRL 17: |
| | Qty for p |
| | EIRL 18: |
| | Qty for |

**M. A. R. 57 (Rule 116)**
Measurement Book

No. E

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency..... From ..... To .....

Date of commencement of work.....

130066

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 17: Supply and fixing of fiber reinforced plastic (FRP) e | | | | | | |
| | Qty for payment :- | 34.00 | Nos | @ | 41369.40 | = 1406560.00 | |
| | EIRL 18: Supplying, laying and jointing HDPE pipes. | | | | | | |
| | Qty for payment :- | 290.60 | m | @ | 1286.91 | = 373976.00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 19: Supplying and filling in plinth with sand under floors. | | | | | | |
| | Qty for payment :- | 420.85 | cum | @ | 2431.10 | = 1023119.00 | |
| | EIRL 20: Fabricating, providing & erecting in position Hot dip galvanized gate. | | | | | | |
| | Qty for payment :- | 27.56 | Sqm | @ | 21674.52 | = 597411:00 | |

Serial No. .....
Name of work .....
Name of Contractor of
Date of commencemen

| Date | Full descript |
|---|---|
| 1 | 2 |
| | EIRL 21 |
| | Qty for |
| | EIRL 22 |
| | Qty for |

**M. A. R. 57 (Rule 116)** **No. E**
Measurement Book

Serial No. .....
Name of work ..... From ..... To ..... 130067
Name of Contractor of nature of Agency.....
Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 21: Providing and fixing 8mm dia C.P/S.S Jet with flexible | | | | | | |
| | Qty for payment:- | 2.00 | Each | @ | 275.83 = | 552.00 | |
| | EIRL 22: Providing and fixing mirror of superior glass. | | | | | | |
| | Qty for payment:- | 2.00 | Each | @ | 970.43 = | 1941.00 | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 23: Finishing walls with textured exterior paint of required shade | | | | | | |
| | Qty for payment:- | 333.13 | Sqm | @ | 232.28 | = | 77380.00 |
| | EIRL 24: Constructing brick masonry chamber of internal dimension 450 x 450 mm | | | | | | |
| | Qty for payment:- | 1.00 | Each | @ | 4315.01 | = | 4316.00 |

Serial No. .....
Name of work .....
Name of Contract
Date of commence

| Date | Full de |
|---|---|
| 1 | |
| | EIRL 2 |
| | Qty for |

**M. A. R. 57 (Rule 116)** **No. E**

Measurement Book

Serial No. .....

Name of work ..... From ..... To ..... 130068

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | | Dimensions | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | EIRL 25: Providing, supplying to work site, single phase submersible pump sets of 100 mm dia (4 inch) | | | | | | |
| | Qty for payment :- | 1.00 | Each | @ | 15047.80 = | | 15048.00 |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| 1 | 2 | Number 3 | Length 4 | Breadth 5 | Depth 6 | 7 | 8 |
| | EIRL 26: Supplying fully automatic star-delta starter unit push button | | | | | | |
| | Qty for payment :- | 1.00 | Each | @ | 7017.06 = | 7018.00 | |
| | | | | | Sub total = | 36174432.00 | |
| | | | | | GST 18% = | 6511397.00 | |
| | | | | | Grand total = | 42685829.00 | |

[illegible]

| Reference to last Measurement 8 |
|---|
| Farter unit pull |
| 7018.00 |
| 36174432.00 |
| 6511397.00 |
| 42685829.00 |

**M. A. R. 57 (Rule 116)** **No. E**

Measurement Book

Serial No. .....

130069

Name of work ..... From ..... To .....

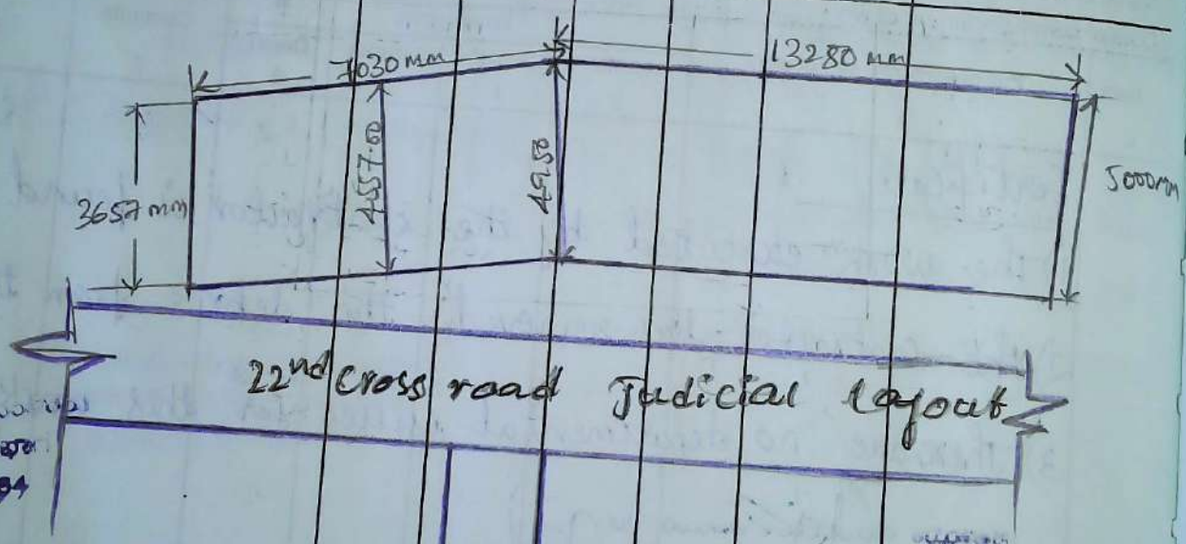
Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Certificate<br>1) The work executed by the contractor is found satisfactory<br>2) the contractor has removed the debris from the work spot<br>3) there are no departmental issues for this work.<br>[illegible] | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |



M. A. R. 57 (Rule 116)

Measurement Book

No. E

Serial No. ....................................

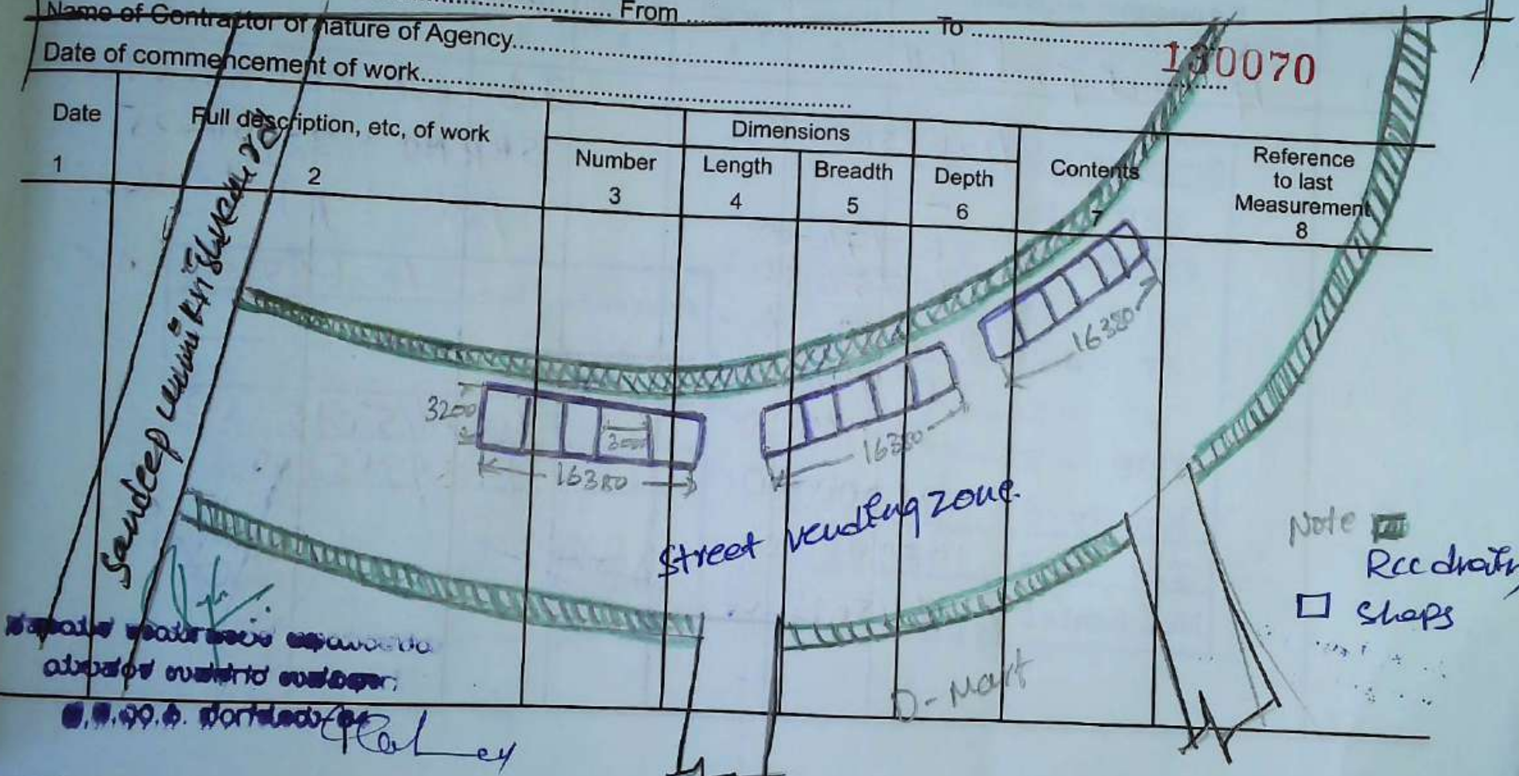
Name of work .................................... Doddbalapura road

Name of Contractor or nature of Agency.................................... From .................................... To ....................................

Date of commencement of work....................................

130070

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |



# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 4th and Final bill | 3 | 4 | 5 | 6 | 7 | 8 |

Gross Amt = Rs 42685000=00

FSD = Rs —

CGST = Rs 361774=00

SGST = Rs 361774=00

IT = Rs 723489=00

LC = Rs 361774=00

CBF = Rs 36174=00

Royalty = Rs 95000=00

T.D. = Rs 1939985=00

Net Amt = Rs 40745015=00

Job Code: 004-23-000003

SBR NO: 33/24-25

Date: 7/11/2024

Audited & Admitted for Rs. 42685000=00

40745015=00 by Cheque

and Rs. 1939985=00 by adjusement

Accts. Supdt.
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP

# ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

## ಟಿಪ್ಪಣಿ ಹಾಳೆ

ವಿಷಯ .....

..... ಪುಟದ ಸಂಖ್ಯೆ .....

..... ಕಡತದ ಸಂಖ್ಯೆ .....

| ಕಂಡಿಕೆ ಸಂಖ್ಯೆ | ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು |
|---|---|

ಮಂಡಿಸಿದೆ.

**ವಿಷಯ:** "Construction of synthetic tennis court, street vending zone & other developmental works at judicial layout main amd creoss roads, chikkabommasandra, someshwaranagara, allalasandra village and surrounding areas in ward no 04 of yelahanka division under amruth nagarothan grants.( package-06)".

**ಉಲ್ಲೇಖ:** BBMP/EE/YNK.D/EPMT-06/W.O/35/2022-23 Dt:03-09-2022

*** *** ***

1) ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹನಗರ ಪಾಲಿಕೆ ಯಲಹಂಕ ವಲಯಕ್ಕೆ ಸೇರಿರುವ ಯಲಹಂಕ ಉಪ ವಿಭಾಗದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Construction of synthetic tennis court, street vending zone & other developmental works at judicial layout main amd creoss roads, chikkabommasandra, someshwaranagara, allalasandra village and surrounding areas in ward no 04 of yelahanka division under amruth nagarothan grants.( package-06). ಎಂಬ ಕೆಲಸವನ್ನು ನಿರ್ವಹಿಸಲು ಗುತ್ತಿಗೆದಾರರಾದ **ಶ್ರೀ. ಬಿ.ಬಿ. ಉಮೇಶ (ಮೆ. ಎಸ್.ಎಂ.ಎಲ್.ಪಿ ಆಸ್ಪಾಲ್ಟ್)** ರವರಿಗೆ ಉಲ್ಲೇಖ (1) ಪತ್ರದಲ್ಲಿ ಕಾರ್ಯಾದೇಶವನ್ನು ನೀಡಿರುತ್ತಾರೆ.

2) ಅದರಂತೆ ಗುತ್ತಿಗೆದಾರರಾದ **ಶ್ರೀ. ಬಿ.ಬಿ. ಉಮೇಶ (ಮೆ. ಎಸ್.ಎಂ.ಎಲ್.ಪಿ ಆಸ್ಪಾಲ್ಟ್)** ರವರು ಕಾಮಗಾರಿಯನ್ನು ಪ್ರಾರಂಭಿಸಿ ನಿರ್ವಹಿಸುತ್ತಿರುತ್ತಾರೆ. ಈಗಾಗಲೇ ನಿರ್ವಹಿಸಿರುವ ಕಾಮಗಾರಿಗೆ ಸಂಬಂದಿಸಿದಂತೆ ಮೊದಲನೇ, ಎರಡನೇ ಹಾಗೂ ಮೂರನೇ ಮತ್ತು ಬಾಗಶಃ ಬಿಲ್ಲನ್ನು ಪಡೆದುಕೊಂಡಿದ್ದು, ನಾಲ್ಕನೇ ಮತ್ತು ಅಂತಿಮ ಬಿಲ್ಲನ್ನು ಪಾವತಿಸುವಂತೆ ಕೋರಿರುತ್ತಾರೆ. ಆದುದರಿಂದ ಗುತ್ತಿಗೆದಾರರು ಪೂರ್ಣಗೊಳಿಸಿರುವ ಕಾಮಗಾರಿಗೆ ಸಂಬಂದಿಸಿದಂತೆ ನಾಲ್ಕನೇ ಮತ್ತು ಅಂತಿಮ ಬಿಲ್ಲನ್ನು **ಮೊತ್ತ ರೂ. 3,61,74,432.00 ಮತ್ತು ಜಿ.ಎಸ್.ಟಿ ಮೊತ್ತ ರೂ. 65,11,397.00 ಒಟ್ಟು ಮೊತ್ತ ರೂ. 4,26,85,829.00** ಸಲ್ಲಿಸಬೇಕಾಗಿದ್ದು, ಈ ಮೇಲ್ಕಂಡ ಕಾಮಗಾರಿಗೆ ಗುಣಭರವಸೆ ವಿಭಾಗದಿಂದ ಪರಿಶೀಲನೆ ನಡೆಸಿ ವರದಿ ನೀಡುವಂತೆ ಕೋರಿ ಕಡತವನ್ನು ತಮ್ಮ ಮುಂದಿನ ಆದೇಶಕ್ಕಾಗಿ ಮಂಡಿಸಿದೆ.

Executive Engineer (YNK)

| ಕಂಡಿಕೆ ಸಂಖ್ಯೆ | ಪುಟದ ಸಂಖ್ಯೆ - 2 -<br>ಕಡತದ ಸಂಖ್ಯೆ EE/YNK-D/PR-2 |
|---|---|
| | ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು |

ಕಂಡಿಕೆ (1) ರಿಂದ (2) ರಲ್ಲಿ ಎವರಿಸಿರುವಂತೆ ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು ಸುತ್ತಿಗೆದಾರರು ಪೂರ್ಣಗೊಳಿಸಿ B.R. ದಾಖಲೆಯ ಕೆಪೆಲಿನ್ ಕೆಡತ ನಲ್ಲಿಕೆಯಾಗಿರುವುದರಿಂದ ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು ಗುಣ-ಭರವಸೆ ಎಭಾಸದಿಂದ ಪರಿಶೀಲನೆ ಬಳಿಕ ಸದರಿ ನಿಡುವಂತೆ ಕೆಡತವನ್ನು ತಕ್ಕೆ ಮುಂದಿನ ಆರೀಕಗ್ಯ ಸಲ್ಲಿಸಿ ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಗುಣ-ಭರವಸೆ)

Executive Engineer,
Yelahanka Division,
B.B.M.P, Bangalore - 64

ಮುಖ್ಯ ಅಭಿಯಂತರರು ಕಛೇರಿ
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ
ಸಂಖ್ಯೆ: 804
ದಿನಾಂಕ: 23/09/24
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ನಿಯಮಾನುಸಾರ ಅಗತ್ಯ ಕ್ರಮಕ್ಕಾಗಿ ಇ.ಎ. ಅ ಗು.ಭ ಯಲಹಂಕಾ

| QA/QC BBMP | |
|---|---|
| CE | 23/9/2024 |
| SE | |
| EE | 23/9/24 |
| AEE | |
| AE | |
| JE | |

# ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

## ಟಿಪ್ಪಣಿ ಹಾಳೆ

ವಿಷಯ ..... ಪುಟದ ಸಂಖ್ಯೆ -3

..... ಕಡತದ ಸಂಖ್ಯೆ .....

| ಕಂಡಿಕೆ ಸಂಖ್ಯೆ | ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು |
|---|---|
| (5) | ವಿಷಯ:– Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (Package No-06) ರ ಕಾಮಗಾರಿಯನ್ನು ಗುಣಭರವಸೆ ವಿಭಾಗದ ವತಿಯಿಂದ ಕೈಗೊಂಡ ತಪಾಸಣಾ ವರದಿ.<br>ಉಲ್ಲೇಖ:– 1. ಮಾನ್ಯ ಮುಖ್ಯ ಆಯುಕ್ತರು ರವರ ಕಛೇರಿ ಆದೇಶದ ಸಂಖ್ಯೆ:ಮು.ಆ/ಪಿಎಸ್ಆರ್ (ಜಿ)/1646/2022–23, ದಿ:01.08.2022.<br>2. ಮಾನ್ಯ ಮುಖ್ಯ ಆಯುಕ್ತರು ರವರ ಕಛೇರಿ ಆದೇಶದ ಸಂಖ್ಯೆ:ಮು.ಆ/ಪಿಎಸ್ಆರ್(ಜಿ)/2383/2022–23, ದಿ: 14.09.2022<br>3. ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯಲಹಂಕ) ವಿಭಾಗದ ರವರ ಕಡತದ ಸಂಖ್ಯೆ:ಕಾ.ಪಾ.ಅ/ /YNK/ಪಿ.ಆರ್/249/2024–25, ದಿ: 23.09.2024.<br>4. ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ) ರವರ ಸಭೆಯ ನಡವಳಿ ಸಂಖ್ಯೆ:02/2024–25, ದಿನಾಂಕ:31–07–2024.<br>**** |
| (6) | ಮೇಲ್ಕಂಡ ವಿಷಯ ಹಾಗೂ ಉಲ್ಲೇಖಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, (ಯಲಹಂಕ) ವಿಭಾಗದ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (Package No-06), Estimate Cost: 2000.00 Lakhs, Job No: 004-23-000003, ($4^{th}$ & Final Bill) ರ ಸದರಿ ಕಾಮಗಾರಿಗೆ Quality Assurance ವರದಿ ಪಡೆಯಲು ಕೋರಿ ಕಡತವನ್ನು ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯಲಹಂಕ) ರವರು ದಿನಾಂಕ: 23.09.2024 ರಂದು ಈ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಿರುತ್ತಾರೆ. |
| (7) | ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಯಲಹಂಕ) ವಿಭಾಗದ ರವರು ಗುಣಭರವಸೆ ವರದಿ ನೀಡಲು ಕೋರಿದ್ದು, ಸದರಿ ಕಾಮಗಾರಿಯ ಗುಣಭರವಸೆ ವರದಿ ಕೋರಿರುವ ಕಾಮಗಾರಿಯ ಅಂದಾಜು ಮೊತ್ತವು 2000.00 ಲಕ್ಷಗಳಾಗಿದ್ದು, ಮಾನ್ಯ ಮುಖ್ಯ ಆಯುಕ್ತರು ರವರ ಕಛೇರಿ ಆದೇಶದ ಸಂಖ್ಯೆ:ಮುಆ/ಪಿಎಸರ್(ಜಿ)/1646/2022–23, ದಿ:01.08.2022 ರಂತೆ ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ) ರವರ ವ್ಯಾಪ್ತಿಗೆ ಒಳಪಡುವ ಅಂಶವನ್ನು ತಮ್ಮ ಅವಗಾಹನೆಗೆ ಸಲ್ಲಿಸಿದೆ. |
| (8) | ಉಲ್ಲೇಖ ಪತ್ರ (1) ರಂತೆ ವಿಭಾಗದ ಅನುಷ್ಠಾನ ಅಭಿಯಂತರರು/ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು/ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ರವರಿಗೆ ಹಲವು ಬಾರಿ ಕಾಮಗಾರಿ ಪ್ರಗತಿಯಲ್ಲಿರುವಾಗ ಈ ಕಛೇರಿಗೆ ಮಾಹಿತಿ ನೀಡಲು ಸೂಚಿಸಿದರೂ ಸಹ ಸದರಿ ಬಿಲ್ಲಿನಂತೆ ನಿರ್ವಹಿಸಲಾಗಿರುವ ಕಾಮಗಾರಿಯು ಪ್ರಗತಿಯಲ್ಲಿರುವಾಗ ಮಾಹಿತಿಯನ್ನು ಈ ಕಛೇರಿಗೆ ಸಲ್ಲಿಸಿರುವುದಿಲ್ಲ. ಪ್ರಸ್ತುತವಾಗಿ ಉಲ್ಲೇಖ (3) ರಲ್ಲಿ 4ನೇ ಹಾಗೂ ಅಂತಿಮ ಬಿಲ್ಲಿಗೆ ಗುಣಭರವಸೆ ವರದಿ ನೀಡಲು ಕೋರಿರುತ್ತಾರೆ. ಈ ಸಂಬಂಧ |

| ಕಂಡಿಕೆ ಸಂಖ್ಯೆ | ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು |
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| (9) | ಉಲ್ಲೇಖ(4)ರ ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ) ರವರ ಸಭೆಯ ನಡವಳಿಯಂತೆ 4ನೇ ಹಾಗೂ ಅಂತಿಮ ಬಿಲ್ಲಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಪೂರ್ಣಗೊಂಡಿರುವ ಸ್ಥಳಕ್ಕೆ ಸಹಾಯಕ ಅಭಿಯಂತರರು (ವಾರ್ಡ ಸಂಖ್ಯೆ: 04), ಯೋಜನಾ ಸಮಾಲೋಚಕರು ಹಾಗೂ ಗುಣಭರವಸೆ ವಿಭಾಗದ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಮತ್ತು ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ರವರುಗಳೊಡನೆ ಭೇಟಿ ನೀಡಿದ ಸಂದರ್ಭದಲ್ಲಿ ಕಾಮಗಾರಿಯು ಪೂರ್ಣಗೊಂಡಿರುವುದಾಗಿ ತಿಳಿಸಿದ್ದು ಸಲ್ಲಿಸಲಾಗಿರುವ ಸದರಿ ಬಿಲ್ಲಿನನ್ವಯ ಪ್ರಮುಖವಾಗಿ ಯಲಹಂಕ ವಲಯದ ಜ್ಯೂಡಿಶಿಯಲ್ ಬಡಾವಣೆಯಲ್ಲಿ ನಿರ್ಮಿಸಿರುವ ಹಿರಿಯ ನಾಗರಿಕರ ಕಟ್ಟಡದಲ್ಲಿ UPVC Windows Frame, MS Grill work, Stainless Steel Railings, Flush Door Shutter 40mm thick, Granite Stone Slab 18mm, Vitrified Tiles ಮತ್ತು ಇನ್ನಿತರೆ ಅಂಶಗಳನ್ನು ನಿರ್ವಹಿಸಿರುವುದು ಗಮನಿಸಲಾಗಿರುತ್ತದೆ. ಇದಾಗ್ಯೂ ಯಲಹಂಕದ 1ನೇ ಬಿ ಅಡ್ಡ ರಸ್ತೆಯಲ್ಲಿ Food Street ಕಟ್ಟಡಗಳನ್ನು ನಿರ್ಮಿಸಿರುವುದು ಕಂಡುಬಂದಿರುತ್ತದೆ. |
| (10) | **Location:**<br>1. Food Street Yelahanka.<br>2. Senior Citizens building, Judicial Layout, Yelahanka |
| (11) | ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಕಾಮಗಾರಿ ಸ್ಥಳದಲ್ಲಿ UPVC Windows Frame, MS Square Rod 16mm, Stainless Steel-32mm dia., Flush Door Shutter 40mm thick, Granite Stone Slab 18mm, MS Plate 5mm thick, Vitrified Tile-300x300mm ಮಾದರಿಗಳನ್ನು ಸಂಗ್ರಹಿಸಿ ಬೆಂಗಳೂರು ವಿಶ್ವವಿಧ್ಯಾಲಯದಲ್ಲಿ ಪರಿಕ್ಷೀಸಿ, ಪರೀಕ್ಷಾ ವರದಿಯನ್ನು ಪಡೆದು ಸಲ್ಲಿಸಿರುತ್ತಾರೆ ಎಂಬುದನ್ನು ತಮ್ಮ ಅವಗಾಹನೆಗೆ ತರಲಾಗಿದೆ. ಮುಂದುವರೆದು ಯಲಹಂಕ 1ನೇ ಬಿ ಅಡ್ಡ ರಸ್ತೆಯಲ್ಲಿ ನಿರ್ಮಿಸಲಾಗಿರುವ Food Street ಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಆಯ್ದ ಸ್ಥಳಗಳಲ್ಲಿ ಅನುಷ್ಠಾನ ಅಭಿಯಂತರರ ಸಮ್ಮುಖದಲ್ಲಿ ಯೋಜನಾ ನಿರ್ವಹಣಾ ಸಮಾಲೋಚಕರು Plinth Beam (M25), Pedestal Column (M25), Drain Side Wall (M20) and Drain Cover Slab (M20) ಗಳಿಗೆ Rebound Hammer Test and Ultrasonic Pulse Velocity Test ಪರೀಕ್ಷೆಗಳನ್ನು ಕೈಗೊಂಡಿರುತ್ತಾರೆ. ಸದರಿ ಪರೀಕ್ಷಾ ವರದಿಗಳ ಆಧಾರದ ಮೇಲೆ ಗುಣಭರವಸೆ ವರದಿಯನ್ನು ತಯಾರಿಸಿದ್ದು, ಸದರಿ ವರದಿಯನ್ನು ತಮ್ಮ ಆದ್ಯ ಗಮನಕ್ಕೆ ಸಲ್ಲಿಸುತ್ತಾ ಒಪ್ಪಿದಲ್ಲಿ ಮುಂದಿನ ಕ್ರಮಕ್ಕಾಗಿ ಸಲ್ಲಿಸಿದೆ. ಮುಂದುವರೆದು ಮಾನ್ಯ ಮುಖ್ಯ ಆಯುಕ್ತರವರ ಕಛೇರಿ ಆದೇಶಗಳನ್ವಯ ಅನುಷ್ಠಾನ ಅಭಿಯಂತರರು ನಿರ್ಮಿಸಲಾಗುವ/ನಿರ್ವಹಿಸಲಾಗುವ ಕಾಮಗಾರಿ ಅಂಶಗಳ ಪರಿಮಾಣ, ಅಳತೆ ಹಾಗೂ ಗುಣಮಟ್ಟಕ್ಕೆ ನಿರ್ಮಾಣ ಘಟಕದ ಇಂಜಿನಿಯರ್‌ಗಳು ಸಂಪೂರ್ಣ ಜವಾಬ್ದಾರರಾಗಿರುತ್ತಾರೆ ಎಂದು ಸ್ಪಷ್ಟೀಕರಿಸುತ್ತಾ ಮತ್ತು ನಿರ್ಮಾಣ ಘಟಕದ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್‌ರವರು ಉಲ್ಲೇಖ (1) ರ ಮಾರ್ಗಸೂಚಿಯಲ್ಲಿ ನಮೂದಿಸಿರುವಂತೆ ಸಮಯೋಚಿತವಾಗಿ ಗುಣಮಟ್ಟದ ಸಾಮಾಗ್ರಿಗಳನ್ನು ಬಳಸಿ, ಸ್ಥಾಪಿತ ನಿರ್ಮಾಣ ಪದ್ಧತಿಗಳಂತೆ ನಿರ್ವಹಿಸಿರುವ ಬಗ್ಗೆ ಮತ್ತೊಮ್ಮೆ ದೃಢೀಕರಿಸಿಕೊಂಡು ಅಳತೆಗಳ ಪರಿಶೀಲನೆಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಕೈಗೊಂಡು ಮತ್ತೊಮ್ಮೆ ಈ ಕೆಳಕಂಡ ಷರತ್ತುಗಳಿಗೆ ಒಳಪಟ್ಟು ಮುಂದಿನ ಸೂಕ್ತ ಕ್ರಮ ಕೈಗೊಳ್ಳಬಹುದಾಗಿದೆ ಎಂದು ಅಭಿಪ್ರಾಯಪಡಲಾಗಿದೆ. |
| (12) | 1. ಕಾಮಗಾರಿಯು ಈಗಾಗಲೇ 4ನೇ ಮತ್ತು ಅಂತಿಮ ಬಿಲ್‌ನ್ನು ನಮೂದಿಸಿ ಸಲ್ಲಿಸಿರುವುದರಿಂದ ಸದರಿ ಕಾಮಗಾರಿಯ ಐಟಂವಾರು ಅಂಶಗಳನ್ನು, ಅಳತೆಗಳು ಮತ್ತು ಪರಿಮಾಣಗಳ ಬಗ್ಗೆ ಮತ್ತೊಮ್ಮೆ ಸಂಬಂಧಪಟ್ಟ ಅನುಷ್ಠಾನದ ಸಹಾಯಕ ಅಭಿಯಂತರರು, ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಮತ್ತು ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ರವರು ಖಾತರಿಪಡಿಸಿಕೊಳ್ಳುವುದು.<br>2. ಕಾಮಗಾರಿಯ ಗುಣಮಟ್ಟ ಎಲ್ಲಾ ಸಾಮಗ್ರಿಗಳನ್ನು ಸಮರ್ಪಕವಾಗಿ ವಿಶಿಷ್ಠ ಪ್ರಮಾಣದಲ್ಲಿ ವಿಶಿಷ್ಠತೆ/ವಿವರಣೆಗೆ ಅನುಗುಣವಾಗಿ ಬಳಸಿರುವ ಬಗ್ಗೆ ಅನುಷ್ಠಾನ ಅಭಿಯಂತರರು ಖಚಿತಪಡಿಸಿಕೊಳ್ಳುವುದು. |

ಬೆಂಗಳೂರು ಮ[redacted]ಲಿಕೆ

ವಿಷಯ .....

ಟಿಪ್ಪಣಿ ಹಾಳೆ

ಪುಟದ ಸಂಖ್ಯೆ -5-

ಕಡತದ ಸಂಖ್ಯೆ CE/QA/PR/242

| ಕಂಡಿಕೆ ಸಂಖ್ಯೆ | ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಆಜ್ಞೆಗಳು |
|---|---|
| | 3. ಕಾಮಗಾರಿಯ ಅನುಷ್ಠಾನದ ಹಂತದಲ್ಲಿ ಯಾವುದೇ ಹಂತದಲ್ಲಿ ಕಳಪೆ ಕಾಮಗಾರಿ ಬಗ್ಗೆ ಸಾರ್ವಜನಿಕರಿಂದ, ಅಧಿಕಾರಿಗಳಿಂದ, ತನಿಖಾ ಸಂಸ್ಥೆಗಳಿಂದ ದೂರು ದಾಖಲಾಗಿರುವ ಬಗ್ಗೆ ತಮ್ಮ ಹಂತದಲ್ಲಿ ಪರಿಶೀಲಿಸಿ ಕಳಪೆ ಕೆಲಸ ಆಗಿಲ್ಲದಿರುವುದರ ಬಗ್ಗೆ ಖಾತರಿಪಡಿಸಿಕೊಳ್ಳುವುದು.<br>4. ಕಾಮಗಾರಿಯ ಟೆಂಡರ್/ಗುತ್ತಿಗೆ ಕರಾರಿನ ಷರತ್ತಿನಂತೆ ಕಾಮಗಾರಿ ಕೈಗೊಂಡಿರುವುದನ್ನು ಖಾತ್ರಿ ಪಡಿಸಿಕೊಳ್ಳುವುದು.<br>5. ಗುಣಭರವಸೆ ಹಾಗೂ ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗದಿಂದ ಕೈಗೊಂಡಿರುವ ಗುಣಮಟ್ಟ ಪರೀಕ್ಷಾ ವಿವರಗಳನ್ನು ಕಾಮಗಾರಿ ಅನುಷ್ಠಾನ ಮಾಡಲಾಗಿರುವ ಅಭಿಯಂತರರುಗಳು ಪರಿಶೀಲಿಸಿ ಮುಂದಿನ ಕ್ರಮವಹಿಸತಕ್ಕದ್ದು.<br>6. ಕಾಮಗಾರಿಯ ಟೆಂಡರ್/ಗುತ್ತಿಗೆ ಅವಧಿ ಮುಗಿದಿದ್ದಲ್ಲಿ ಹಾಗೂ ಪೂರ್ಣಗೊಳಿಸಲು ನಿಗಧಿತ ದಿನಾಂಕದ ನಂತರ ವಹಿಸಿದ್ದಲ್ಲಿ EOT ಅನ್ನು ಸಕ್ಷಮ ಪ್ರಾಧಿಕಾರದಿಂದ ಅನುಮೋದನೆಗೊಂಡಿರುವ ಬಗ್ಗೆ ಖಾತ್ರಿ ಪಡಿಸಿಕೊಳ್ಳುವುದು.<br>7. ಹೆಚ್ಚುವರಿ ಅಂಶಗಳು/ ಆಧಿಕ ಪ್ರಮಾಣಗಳು (EIRL/Work Slip) ಮತ್ತು ಸ್ಥಳ ಬದಲಾವಣೆಗಳು ಇದ್ದಲ್ಲಿ ಅವುಗಳು ಅನುಮೋದನೆಗೊಂಡಿರುವ ಬಗ್ಗೆ ಧೃಢೀಕರಿಸತಕ್ಕದ್ದು. |
| (13) | ಸದರಿ ಕಾಮಗಾರಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಬೆಂಗಳೂರು ವಿಶ್ವವಿಧ್ಯಾಲಯದಿಂದ ಪಡೆದ ಪರೀಕ್ಷಾ ವರದಿಗಳು ಮತ್ತು Ultrasonic Pulse Velocity Test & Rebound Hammer Test ಅನ್ನು ಯೋಜನಾ ಸಮಾಲೋಚಕರಾದ M/, Rudraprasad Consultants ರವರಿಂದ ಮಾಡಿಸಿ ಸಲ್ಲಿಸಿರುವ ಪರೀಕ್ಷಾ ಫಲಿತಾಂಶಗಳು ನಿರ್ದಿಷ್ಟ/ಮಾನದಂಡಗಳ ವಿಶೇಷಣೆಗಳಿಗೆ ಅನುಗುಣವಾಗಿರುವುದು ಕಂಡುಬಂದಿರುತ್ತದೆ. ಅದರಂತೆ ಸದರಿ ಫಲಿತಾಂಶದಲ್ಲಿನ ಅಂಶಗಳನ್ನು ಒಳಗೊಂಡಂತೆ ಗುಣಭರವಸೆಯ ವರದಿಯನ್ನು ತಯಾರಿಸಿ ಕಾಮಗಾರಿ ಅನುಷ್ಠಾನ ಅಧಿಕಾರಿಗಳಿಗೆ ಸಲ್ಲಿಸಲು ಹಾಗೂ ಮಾನ್ಯ ಮುಖ್ಯ ಆಯುಕ್ತರು ರವರ ಕಛೆರಿ ಆದೇಶದ ಸಂಖ್ಯೆ:ಮುಆ/ಪಿಎಸ್‌ಆರ್/2383/2022-23, ದಿನಾಂಕ:14.09.2023 ರಂತೆ ವರದಿಯನ್ನು ಸಿದ್ದಪಡಿಸಿದ್ದು ವರದಿಯನ್ನು ಪರಿಶೀಲಿಸಿಕೊಂಡು ಮಾನ್ಯ ಮುಖ್ಯ ಆಯುಕ್ತರು ರವರ ಕಛೇರಿ ಸಂಖ್ಯೆ:ಮುಆ/ಪಿಎಸ್‌ಆರ್(ಜಿ)/1646/2022-23, ದಿನಾಂಕ:01.08.2022 ರಂತೆ ವರದಿಯನ್ನು ನಿಯಮಾನುಸಾರ ಪರಿಶೀಲಿಸಿ ಅಗತ್ಯ ಕ್ರಮವಹಿಸಲು ಆದೇಶ ಕೋರಿ ಕಡತವನ್ನು ಸಲ್ಲಿಸಿದೆ.<br><br>4/10/24<br>ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ) |
| (14) | ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ)<br><br>ಕಂಡಿಕೆ ( 5 ) ರಿಂದ ( 13 ) ರವರೆಗಿನ ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ) ವಿಭಾಗದವರ ವರದಿಯನ್ನು ಅನುಮೋದಿಸಿ ತಮ್ಮ ಅವಗಾಹನೆಗೆ ಹಾಗೂ ಮುಂದಿನ ಕ್ರಮಾನುಸರಣೆಗಾಗಿ ತಮ್ಮ ಅವಗಾಹನೆಗೆ ಸಲ್ಲಿಸಿದೆ.<br><br>4/10/24<br>ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ) |
| (15) | ಮುಖ್ಯ ಅಭಿಯಂತರರು (ಗುಣಭರವಸೆ)<br><br>14/x/24<br>ಮುಖ್ಯ ಅಭಿಯಂತರರು<br>ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ<br>ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ |
| 16) | ಕಾ.ಪಾ.ಕ (ಯಲಹಂಕ ವಿಭಾಗ)<br><br>ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು<br>ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ |

ಪು.ತಿ.ನೋ

# QUALITY ASSURANCE/ QUALITY CONTROL REPORT

CE/QA/PR/ 242 /2024-25, DATE: 18/10/2024

| | | |
|---|---|---|
| **Name of Work** | : | Construction of Synthetic Tennis Court, Street Vending Zone & Other Developmental Works at Judicial Layout Main and Cross Roads, Chikkabommasandra, Someshwara Nagar, Allalasandra Village and Surrounding Areas in Ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (Package No-06).<br>Estimated Cost: 2000.00 Lakhs |
| **Job Code** | : | 004-23-000003 |
| **Bill No & Amount** | : | 4th & Final Bill, Rs. 4,26,85,829.00 (Including GST) |
| **Name of the agency** | : | **M/s. SMLP Asphalts (Pro B B Umesh)** |
| **Project Management Consultants** | : | **M/s. Rudraprasad Consultants.** |
| **Materials on which Tests Was Performed** | : | 1. Plinth Beam (M25).<br>2. Pedestal Column (M25).<br>3. Drain Side Wall (M20).<br>4. Drain Cover Slab (M20).<br>5. UPVC Windows Frame.<br>6. MS Square Rod 16mm.<br>7. Stainless Steel-32mm dia.<br>8. Flush Door Shutter 40mm thick.<br>9. Granite Stone Slab 18mm.<br>10. MS Plate 5mm thick.<br>11. Vitrified Tile-300x300mm. |
| **Type of Test Performed** | : | 1. Rebound Hammer Test as per IS: 13311 (Part-1) & IS: 516-(Part-5/Sec-4)2020.<br>2. Ultrasonic Pulse Velocity Test as per IS: 516-(Part-5/Sec-1)2020.<br>3. Test as per BS EN 12608:2003, BS EN ISO 178, BS EN 477, BS EN 514, IS: 1608-2005, IS: 1730-1989, IS: 2202 (1)-1999, IS: 2380 (3)-1977, IS: 4020-(1-16)-1998, IS: 1121, IS: 14223 (1)-1995, IS: 2062-2011, IS: 226-1992, IS: 808-1989, ISO: 13006, ISO: 10545-2, 3, 4, 6 & IS:15622-2006. |
| **Officers present during inspection** | : | 1. Sri. Mohan, AE-Ward No. 04 Yelahanka New town Sub div.<br>2. Sri. Sreedhar C, AEE–Quality Assurance.<br>3. Smt. Varalakshmi L, EE- Quality Assurance. |
| **Observations** | : | • NDT (Rebound Hammer Test & Ultrasonic Pulse Velocity Test) were conducted by Project Management Consultants at Random locations in presence of AE-Ward No. 04 Yelahanka New town Sub div along with AEE- QA & EE-QA.<br>• The Rebound Hammer Test & Ultrasonic Pulse Velocity tests were conducted randomly on Plinth Beam (M25), Pedestal Column (M25), Drain Side Wall (M20) and Drain Cover Slab (M20). The readings and results are recorded by the PMC Consultants.<br>• It was observed during inspection that mainly items such as UPVC Windows Frame, MS Square Rod 16mm, Stainless Steel-32mm dia., Flush Door Shutter 40mm thick, Granite Stone Slab 18mm, MS Plate 5mm thick, Vitrified Tile-300x300mm and others were executed in Senior Citizens building. For these items the tests results are obtained from Bangalore University<br>• Readings of Rebound Hammer Test & Ultrasonic Pulse Velocity Test are tabulated and analysis of test results done by PMC is hereby furnished.<br>• The Location wise test results are reproduced in the tables shown below. |
| **Test Locations** | : | **Location 1:** Food Street Yelahanka.<br>**Location 2:** Senior Citizens building, Judicial Layout, Yelahanka. |

4/10/ ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಪುನರ್ವಸತಿ ಸುಹಾನಗರ ಪಾಲಿಕೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಪುನರ್ವಸತಿ ಸುಹಾನಗರ ಪಾಲಿಕೆ

14/10/2024 ಸಹಾಯಕ ಅಭಿಯಂತರರು ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ಬೃಹತ್ ಬೆಂಗಳೂರು ಪುನರ್ವಸತಿ ಸುಹಾನಗರ ಪಾಲಿಕೆ

**Table-01: Rebound Hammer Test Results.**

| Sl. No. | Floor level / Structural Member /Identification | Location | Rebound Hammer Number | Average Rebound Hammer Number | Compressive strength of concrete(N/mm²) | Impact Direction |
|---|---|---|---|---|---|---|
| | **Tested Location at Food Street Yelahanka.** | | | | | |
| 1 | **Plinth Beam (M25)** | **Along Grid 23 B/w 24 &25** | 32 | 31 | 26 | Horizontal |
| 2 | | | 32 | | | |
| 3 | | | 32 | | | |
| 4 | | | 30 | | | |
| 5 | | | 32 | | | |
| 6 | | | 30 | | | |
| 7 | | | 32 | | | |
| 8 | | | 30 | | | |
| 9 | | | 32 | | | |
| 1 | **Plinth Beam (M25)** | **Along Grid 23 B/w 23 &24** | 36 | 32 | 28 | Horizontal |
| 2 | | | 30 | | | |
| 3 | | | 30 | | | |
| 4 | | | 34 | | | |
| 5 | | | 30 | | | |
| 6 | | | 32 | | | |
| 7 | | | 30 | | | |
| 8 | | | 36 | | | |
| 9 | | | 34 | | | |
| 1 | **Pedestal Column (M25)** | **1st B Cross Road, Along Grid 23 in front of Shop-5** | 34 | 32 | 28 | Horizontal |
| 2 | | | 34 | | | |
| 3 | | | 32 | | | |
| 4 | | | 30 | | | |
| 5 | | | 30 | | | |
| 6 | | | 32 | | | |
| 7 | | | 34 | | | |
| 8 | | | 30 | | | |
| 9 | | | 36 | | | |
| 1 | **Plinth Beam (M25)** | **Along Grid 27 B/w 26 &27** | 30 | 31 | 26 | Horizontal |
| 2 | | | 30 | | | |
| 3 | | | 28 | | | |
| 4 | | | 30 | | | |
| 5 | | | 34 | | | |
| 6 | | | 30 | | | |
| 7 | | | 30 | | | |
| 8 | | | 36 | | | |
| 9 | | | 34 | | | |
| 1 | **Pedestal Column (M25)** | **1st B Cross Road, Along Grid 27 in front of Shop-3** | 30 | 31 | 26 | Horizontal |
| 2 | | | 30 | | | |
| 3 | | | 30 | | | |
| 4 | | | 36 | | | |
| 5 | | | 36 | | | |
| 6 | | | 28 | | | |
| 7 | | | 30 | | | |
| 8 | | | 30 | | | |
| 9 | | | 32 | | | |

4/10/24
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ಉಪ-ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

4/10/24
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

14/10/24
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

**Table-02: Rebound Hammer Test Results.**

| Sl. No. | Floor level / Structural Member /Identification | Location | Rebound Hammer Number | Average Rebound Hammer Number | Compressive strength of concrete(N/mm²) | Impact Direction |
|---|---|---|---|---|---|---|
| | Tested Location at Tested Location at Food Street Yelahanka. | | | | | |
| 1 | Drain Side Wall (M20) | In front of Shop-8 food street | 30 | 29 | 23 | Horizontal |
| 2 | | | 32 | | | |
| 3 | | | 28 | | | |
| 4 | | | 30 | | | |
| 5 | | | 28 | | | |
| 6 | | | 24 | | | |
| 7 | | | 28 | | | |
| 8 | | | 28 | | | |
| 9 | | | 30 | | | |
| 1 | Drain Cover Slab (M20) | In front of Shop-8 food street | 22 | 25 | 22 | Vertical Down |
| 2 | | | 24 | | | |
| 3 | | | 30 | | | |
| 4 | | | 28 | | | |
| 5 | | | 24 | | | |
| 6 | | | 22 | | | |
| 7 | | | 24 | | | |
| 8 | | | 26 | | | |
| 9 | | | 24 | | | |
| 1 | Drain Side Wall (M20) | In front of Shop-7 food street | 28 | 28 | 22 | Horizontal |
| 2 | | | 28 | | | |
| 3 | | | 30 | | | |
| 4 | | | 28 | | | |
| 5 | | | 26 | | | |
| 6 | | | 28 | | | |
| 7 | | | 28 | | | |
| 8 | | | 28 | | | |
| 9 | | | 28 | | | |
| 1 | Drain Cover Slab (M20) | In front of Shop-7 food street | 30 | 26 | 24 | Vertical Down |
| 2 | | | 24 | | | |
| 3 | | | 28 | | | |
| 4 | | | 24 | | | |
| 5 | | | 26 | | | |
| 6 | | | 30 | | | |
| 7 | | | 24 | | | |
| 8 | | | 24 | | | |
| 9 | | | 28 | | | |

**Table-03: Ultrasonic Pulse Velocity Test Results.**

| Sl. No. | Description | Path Length (mm) | Time t in µs | Pulse Velocity (km/s) | Quality | Req. As per IS: 516-(Part-5/Sec- 1):2020 |
|---|---|---|---|---|---|---|
| 01 | Plinth Beam (M25) Along Grid 23 B/w 23 &24 | 100 | 22.8 | 4.4 | Good | >M25 Grade<br>Below 3.75- Doubtful<br>3.75 to 4.4- Good<br>Above 4.4- Excellent |
| | | 200 | 46.7 | 4.3 | | |
| 02 | Plinth Beam (M25) Along Grid 27 B/w 26 &27 | 100 | 26.3 | 3.8 | Good | |
| | | 200 | 47.2 | 4.2 | | |
| 03 | Pedestal Column (M25) 1st B Cross Road, Along Grid 27 in front of Shop-3 | 100 | 25.6 | 3.9 | Good | |
| | | 200 | 47.3 | 4.2 | | |
| 03 | Drain Side Wall (M20) | 100 | 26.3 | 3.8 | Good | |
| | | 200 | 48.5 | 4.1 | | |
| 03 | Drain Side Wall (M20) | 100 | 26.2 | 3.8 | Good | |
| | | 200 | 47.5 | 4.2 | | |

**Table-04: Physical Test Results.**

| Sl. No. | Details of Test | Test Results | Requirements as per Specifications | Test Method |
|---|---|---|---|---|
| 1 | Flexural Modulus of Elasticity | 2396 N/mm$^2$ | Not Less than 2200 N/mm$^2$ | BS EN ISO 178 |
| 2 | Resistance to impact by falling mass at 10° C for Class II | Passes the Test | Should Pass | BS EN 477 |
| 3 | Mean Breaking Stress for Welded Corners | 38.40 N/mm$^2$ | Not less than 35 N/mm$^2$ | BS EN 514 |

**Table-05: Test Results of MS Square Rod 16mm**

| SI No | Details of Tests | Test Results | Min req as per IS:808/IS: 2062 Specifications |
|---|---|---|---|
| | | Square Rod 16mm | |
| 1. | Proof Yield Stress/Yield Stress, N/mm$^2$ | 281.0 N/Sq.mm | 250 N/Sq-mm (min) |
| 2 | Bend Test | Passes | Sample should with stand |
| 3 | Percentage of Elongation, % | 28.90 | 23.0 – 30.0 |
| 4 | Ultimate Tensile Strength, N/mm$^2$ | 473.0 N/Sq-mm | 410-530 N/Sq-mm |

**Table-06: Chemical Test Results of MS Square Rod 16mm**

| SI No. | Description | Carbon % | Manganese % | Silicon % | Phosphorus % | Sulphur % |
|---|---|---|---|---|---|---|
| 1 | Square Rod 16mm | 0.192 | 0.906 | 0.141 | 0.020 | 0.172 |

**Table-07: Test Results for Hollow Stainless Steel section**

| SI No | Description | Carbon % | Silicon % | Manganese % | Phosphorus % | Sulphur % | Chromium % | Nickel % |
|---|---|---|---|---|---|---|---|---|
| 1 | 32mm dia pipes | 0.023 | 0.183 | 1.092 | 0.021 | 0.006 | 18.26 | 8.163 |

**Table-08: Test Results for Flush Door Shutters**

| Sl. No. | Test Carried Out | Test Results |
|---|---|---|
| 1 | Thickness | 35mm |
| 2 | Knife test as per IS: 4020 (14)-1998 | Good adhesion observed |
| 3 | End immersion test as per IS: 4020 (13)-1998 | No de-lamination was observed at the end of 8cycles |
| 4 | Glue adhesion test as per IS: 4020 (15)-1998 | No de-lamination observed in the specimen |

**Table-09: Test Results for Granite stone (18mm) sample**

| SL No. | Details of Test | Test results | Limits as per codal provision IS:14223, Part-1:1995. | Method and Specification |
|---|---|---|---|---|
| 1. | Water absorption | 0.36 % | 0.50 max | IS: 14223, Part-1:1995. |
| 2. | Specific Gravity | 2.76 | 2.75, min | IS 9143:1979 |
| 3. | Moisture Content | 0.05 % | 0.15 %, Max | IS: 13030-1991 |
| 4. | Dry Density | 2.641 | 2.60-0.68 | -- |
| 5. | Tensile Strength | 138.5 Kg/cm$^2$ | 90.0 Kg/cm$^2$, Min | IS: 13365, (1):1998 |
| 6. | Moh's Hardness | 6.6 on a scale of 10 | 6-7 | -- |

**Table-10: Test Results of MS Plate 5mm**

| SI No | Details of Tests | Test Results | Min req as per IS:808/IS: 2062 Specifications |
|---|---|---|---|
| | | MS Plate 5mm | |
| 1. | Proof Yield Stress/Yield Stress, N/mm$^2$ | 267.0 N/Sq.mm | 250 N/Sq-mm (min) |
| 2 | Bend Test | Passes | Sample should with stand |
| 3 | Percentage of Elongation, % | 27.20 | 23.0 – 30.0 |
| 4 | Ultimate Tensile Strength, N/mm$^2$ | 453.0 N/Sq-mm | 410-530 N/Sq-mm |

**Table-11: Chemical Test Results of MS Plate 5mm**

| Sl No. | Description | Carbon % | Manganese % | Silicon % | Phosphorus % | Sulphur % |
|---|---|---|---|---|---|---|
| 1 | MS Plate 5mm | 0.124 | 0.518 | 0.163 | 0.032 | 0.020 |

**Table-12: Test Results of Vitrified Floor Tiles**

| Sl No | Test Conducted | Test Results | Requirements as per Specifications |
|---|---|---|---|
| 1 | Deviation in Length and width | +/- 0.15% | +/-0.6% |
| 2 | Deviation in Thickness | +/- 1.25% | +/- 5% |
| 3 | Straightness of Sides | +/- 0.14% | +/- 0.5% |
| 4 | Rectangularity | +/- 0.25% | +/- 0.6% |
| 5 | Surface Flatness | +/- 0.18% | +/- 0.5% |
| 6 | Surface Quality | 98.0 | 95% min |
| 7 | Water Absorption | 0.035% | Less than 0.5% |
| 8 | Scratch hardness of surface (Moh's Scale) | +6.0 | ≥ 6.0 |
| 9 | Flexural Strength (Avg MOR) | 42 N/mm2 | Not less than 35.0 N/mm2 |
| 10 | Breaking Strength | 1575 | Not less than 1300 N |

**Conclusion:**

The file containing 4th & final bill has been submitted for the above work to QA Department on 23/09/2024. Engineers of QA/QC division have visited the work spot on 25/09/2024.

PMC team was instructed to assess the strength of concrete used for Plinth Beam (M25), Pedestal Column (M25), Drain Side Wall (M20) and Drain Cover Slab (M20) by conducting NDT using Rebound Hammer Test method and quality of Concrete by Ultrasonic Pulse Velocity Test, The Physical and Chemical test reports for UPVC Windows Frame, MS Square Rod 16mm, Stainless Steel-32mm dia., Flush Door Shutter 40mm thick, Granite Stone Slab 18mm, MS Plate 5mm thick, Vitrified Tile-300x300mm and others are obtained from Bangalore University by EE-Yelahanka and submitted to this office is hereby reproduced in this report.

From the test results furnished by PMC consultants, it is concluded that the results of the samples collected are in accordance with the standards/ specifications mention in the BIS codes. However, the results submitted by the PMC have been reproduced here with for further needful action. The results checked by QA/QC relates only for item tested in the particular location randomly.

The concerned Engineer in charge of the work shall follow the direction issued by The Hon'ble Chief Commissioner and take necessary action as appropriate in accordance with the law.

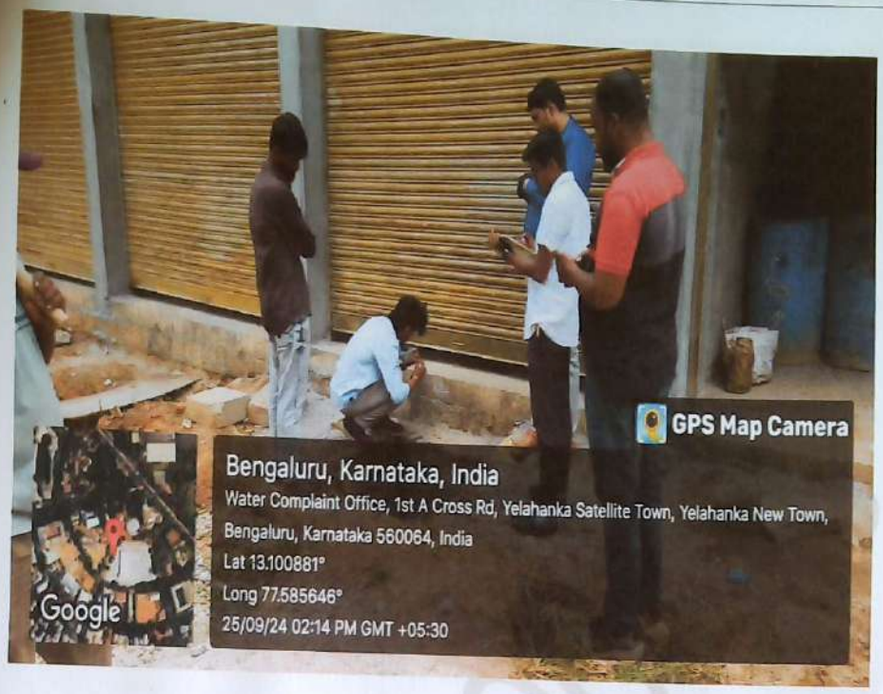
Note: -

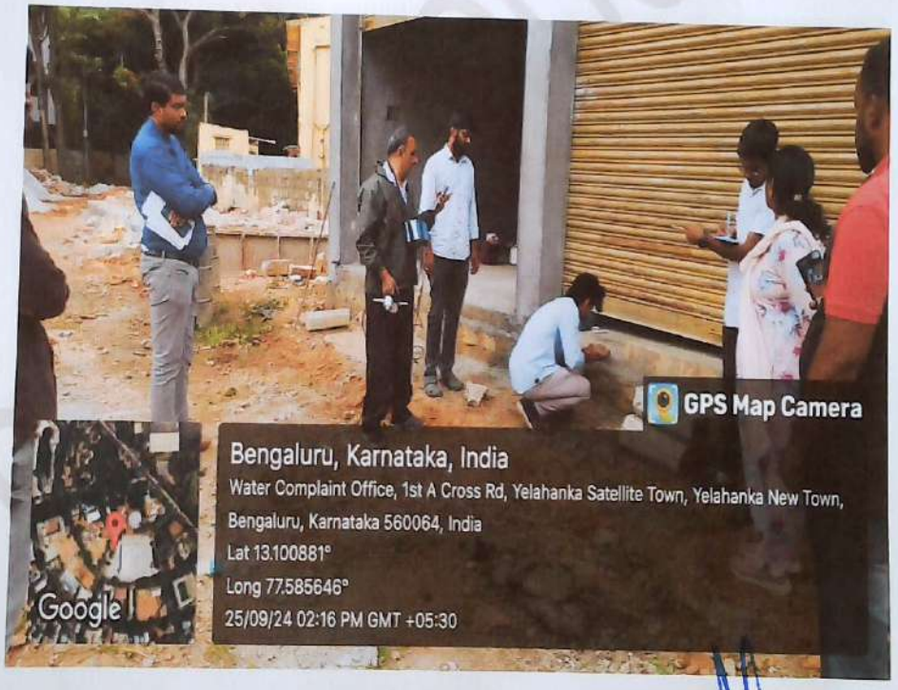
i. This report by QA/QC is pertaining to the work carried out in 4th & final bill only.
ii. If there is any change in the estimate, Engineer in Charge of shall take approval from competent authority.
iii. All Mandatory Certificates/Licence/NOC's shall be obtained from competent authorities of statutory department.
iv. Building shall be in accordance with the relevant acts/rules and bylaws.
v. Engineer in charge of work shall display details of work, work code, cost of project, start and completion date, and information of Engineer in charge of work with contact numbers at work spot.
vi. Engineer in charge of work and Agency shall ensure that if any damages or defects occur pertaining to the executed work within the Defect Liability period (DLP) as per agreement the same shall be rectified immediately on top priority without fail.
vii. Engineer in Charge of work shall furnish necessary fitness and stability certificate of the Food Street & Senior Citizen buildings from competent authority.

4/10/24 ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

14/10/24 ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಗುಣಭರವಸೆ/ಗುಣನಿಯಂತ್ರಣ ವಿಭಾಗ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

14/10/24

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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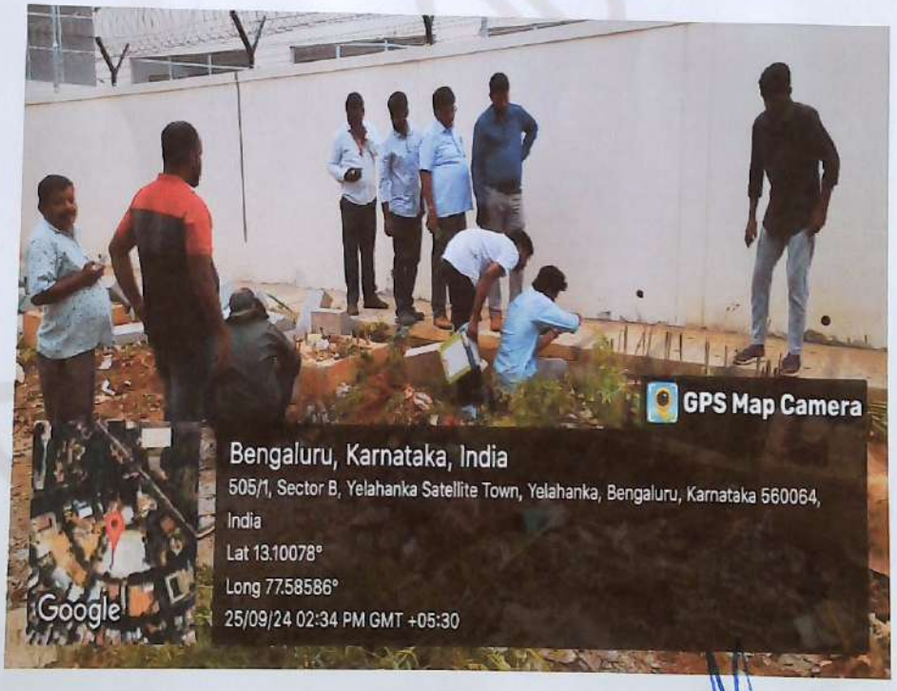


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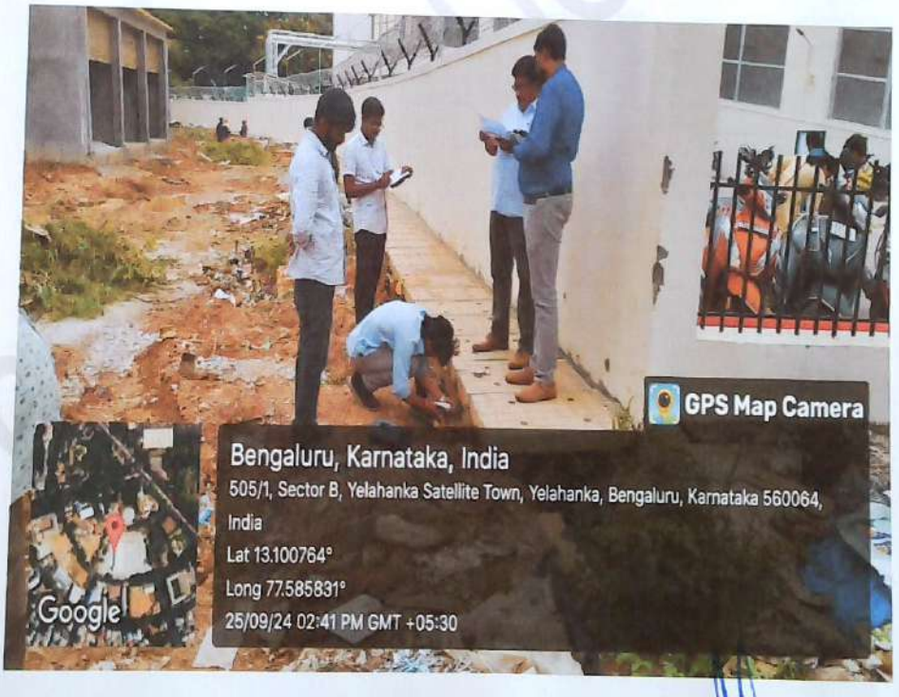


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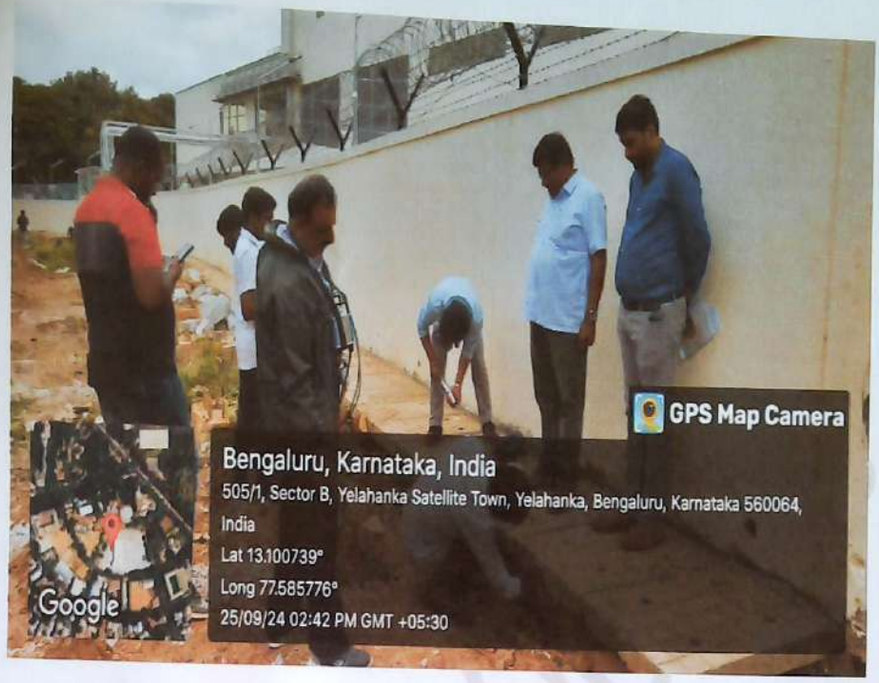

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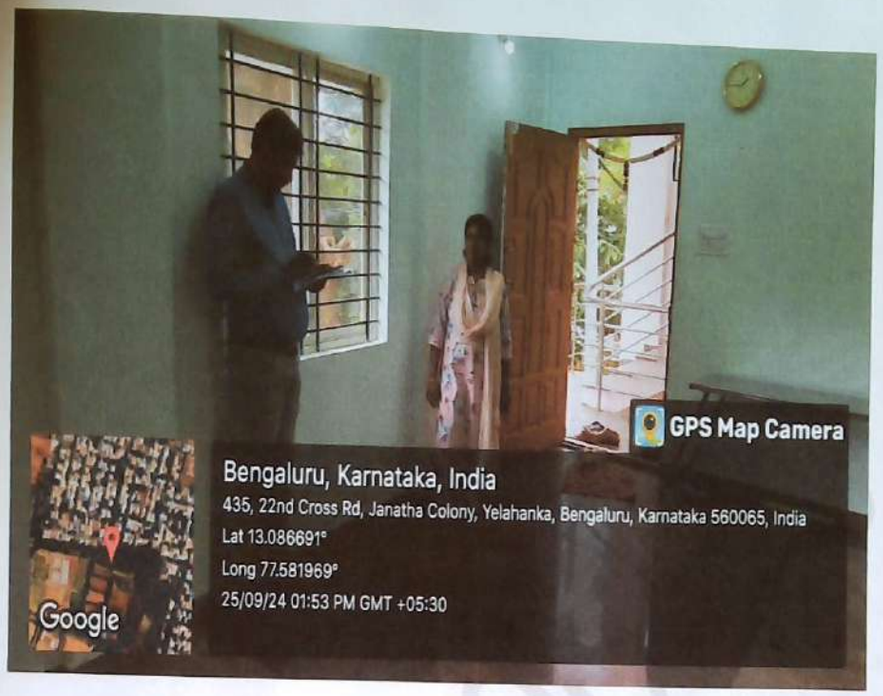

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